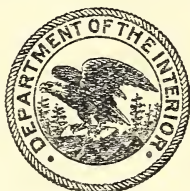


LIBRARY
BUREAU OF EDUCATION



BFI
A5
Index 1-30



JUL 30 1931

THE AMERICAN JOURNAL OF PSYCHOLOGY

EDITED BY

MARGARET F. WASHBURN, Vassar College

KARL M. DALLENBACH, Cornell University

MADISON BENTLEY, University of Illinois

EDWIN G. BORING, Harvard University

WITH THE CO-OPERATION OF

RAYMOND DODGE, Yale University; S. W. FERNBERGER, University of Pennsylvania; J. P. NAFE, Clark University; R. M. OGDEN, Cornell University; JOSEPH PETERSON, Peabody College; W. B. PILLSBURY, University of Michigan; A. T. POFFENBERGER, Columbia University; E. S. ROBINSON, University of Chicago; C. A. RUCKMICK, University of Iowa; G. M. STRATTON, University of California

INDEX OF VOLUMES I-XXX

EDITED BY

KARL M. DALLENBACH

MORRILL HALL, CORNELL UNIVERSITY

ITHACA, NEW YORK

1926

THE AMERICAN JOURNAL OF PSYCHOLOGY

EDITED BY

MARGARET F. WASHBURN, Vassar College

KARL M. DALLENBACH, Cornell University

MADISON BENTLEY, University of Illinois

EDWIN G. BORING, Harvard University

WITH THE CO-OPERATION OF

RAYMOND DODGE, Yale University; S. W. FERNBERGER, University of Pennsylvania; J. P. NAFF, Clark University; R. M. OGDEN, Cornell University; JOSEPH PETERSON, Peabody College; W. B. PILLSBURY, University of Michigan; A. T. POFFENBERGER, Columbia University; E. S. ROBINSON, University of Chicago; C. A. RUCKMICK, University of Iowa; G. M. STRATTON, University of California

INDEX OF VOLUMES I-XXX

EDITED BY

KARL M. DALLENBACH

MORRILL HALL, CORNELL UNIVERSITY

ITHACA, NEW YORK

1926

BF1
.R5
Index
v.1-30

COPYRIGHT, 1926, BY
THE AMERICAN JOURNAL OF PSYCHOLOGY

PREFACE

THE AMERICAN JOURNAL OF PSYCHOLOGY, conceived and brought into being by G. Stanley Hall in 1887, remained under the dominating influence of his editorship for thirty-three years. The editorial responsibilities did not rest, however, wholly upon Hall's shoulders throughout this period, and the aim of the lists given on page 6 is to record and to commemorate those whose assistance he sought as well as to indicate the dates of their service.

The names of coöperating editors appearing upon the title pages of the completed volumes do not always agree with the names appearing upon the title pages of the separate numbers. Our rule in compiling the lists has been to follow the title pages of the volume when they agree with at least one of the title pages of the four integral numbers. Where this is not the case, we have followed the title pages of the separate numbers.

The lists of volumes and dates of publication given also on page 6 will enable the bibliographer and the librarian to ascertain readily the dates of the numbers which sometimes appeared irregularly. The place of publication was Baltimore, Md., from Nov. 1887 to May 1889, and Worcester, Mass., from Aug. 1889 to Oct. 1920.

This INDEX, covering the first thirty volumes of the JOURNAL, is the product of many hands. Its publication could not have been undertaken except for the generous coöperation of many psychologists. Credit for the indexing of the separate volumes is given on page 5. In addition, acknowledgment is due to Miss Dorothy R. Knight, who sorted and alphabetized the card entries, and to Dr. Cleveland Abbe, Jr., who perfected the arrangement of the card entries and assisted in the editorial work.

Ithaca, N. Y.

K. M. D.

December, 1926



CONTENTS

I.	List of Volumes, Publication Dates, and Editors.....	6
II.	Index by Authors of Original Articles, by Lucy Day Boring	7
III.	Index by Authors of Books Reviewed, by Lucy Day Boring	36
IV.	Subject Matter Index.....	61

Vol. 1 by M. F. Washburn	Vol. 16 by C. A. Ruckmick
2 M. F. Washburn	17 W. S. Foster
3 W. B. Pillsbury	18 J. N. C. Foster
4 M. Bentley	19 C. E. Ferree
5 R. M. Ogden	20 G. Rand
6 E. A. McC. Gamble	21 S. P. Hayes
7 L. R. Geissler	22 F. L. Dimmick
8 H. P. Weld	23 C. C. Dimmick
9 K. M. Dallenbach	24 G. F. Rich
10 L. B. Hoisington	25 A. S. Edwards
11 H. G. Bishop	26 P. T. Young
12 K. M. Dallenbach	27 M. J. Zigler
13 J. P. Nafe	28 A. H. Sullivan
14 H. C. Stevens	29 A. K. Whitchurch
15 E. G. Boring	30 K. M. Dallenbach

I. VOLUMES, DATES, AND EDITORS

<i>Vol.</i>	<i>Year</i>	<i>Editors</i>	<i>Coöperating Editors</i>
I.	1887-1888	G. STANLEY HALL	
II.	1888-1889	do.	
III.	1890-1891	do.	
IV.	1891-1892	do.	E. W. SCRIPTURE, Nos. 2 & 3
V.	1892-1893	do.	
VI.	1893-1895	do.	
VII.	1895-1896	G. STANLEY HALL E. C. SANFORD E. B. TITCHENER	F. ANGELL H. BEAUNIS J. DELBOEUF V. HENRI C. F. HODGE A. KIRSCHMANN O. KÜLPE A. WALLER H. K. WOLFE
VIII.	1896-1897	do.	F. ANGELL H. BEAUNIS V. HENRI C. F. HODGE A. KIRSCHMANN O. KÜLPE G. W. STÖRRING A. WALLER H. K. WOLFE
IX.	1897-1898	do.	F. ANGELL H. BEAUNIS A. F. CHAMBERLAIN V. HENRI C. F. HODGE A. KIRSCHMANN O. KÜLPE W. B. PILLSBURY G. W. STÖRRING A. WALLER
X.	1898-1899	do.	do.
XI.	1899-1900	do.	do.
XII.	1900-1901	do.	do.
XIII.	1902	do.	do.
XIV.	1903	do.	F. ANGELL H. BEAUNIS I. M. BENTLEY A. F. CHAMBERLAIN C. F. HODGE A. KIRSCHMANN O. KÜLPE W. B. PILLSBURY A. D. WALLER M. F. WASHBURN
XV.	1904	do.	do.
XVI.	1905	do.	do.
XVII.	1906	do.	do.
XVIII.	1907	do.	do.
XIX.	1908	do.	do.
XX.	1909	do.	do.
XXI.	1910	do.	do.
XXII.	1911	do.	do.
XXIII.	1912	G. STANLEY HALL E. C. SANFORD E. B. TITCHENER J. W. BAIRD	do.
XXIV.	1913	do.	do.
XXV.	1914	do.	F. ANGELL H. BEAUNIS M. BENTLEY C. F. HODGE A. KIRSCHMANN O. KÜLPE W. B. PILLSBURY A. D. WALLER M. F. WASHBURN
XXVI.	1915	do.	do.
XXVII.	1916	do.	F. ANGELL H. BEAUNIS M. BENTLEY C. F. HODGE A. KIRSCHMANN W. B. PILLSBURY A. D. WALLER M. F. WASHBURN
XXVIII.	1917	do.	do.
XXIX.	1918	do.	F. ANGELL H. BEAUNIS M. BENTLEY W. B. PILLSBURY A. D. WALLER M. F. WASHBURN
XXX.	1919	do.	do.

II. INDEX BY AUTHORS OF ORIGINAL ARTICLES

By LUCY DAY BORING

- Abbot, E. S. The causal relations between structure and function in biology 27, 245-250.
- Acher, R. A. Spontaneous constructions and primitive activities of children analogous to those of primitive man 21, 114-150.
- Achilles, E. M., see Mulhall, E. F.
- Adler, H., Williams, M., Washburn, M. F. The correlation between accuracy of the visual memory after-image and control of visual imagery 25, 293-295
- Aikins, H. A., and Hodge, C. F. The daily life of a protozoan: a study in comparative psycho-physiology 6, 524-533.
- Allin, A. Recognition 7, 249-273. The "recognition-theory" of perception 7, 237-248.
- Allin, A., and Hall, G. S. The psychology of tickling, laughing, and the comic 9, 1-41.
- Alspach, E. M. Simplicity vs. complexity of color hues 27, 273-282. On the psychological response to unknown proper names 28, 436-443.
- Alvord, E. A., and Searle, H. E. A study in the comparison of time intervals 18, 177-182.
- Anderson, J. E., and Downey, J. E. Automatic writing 26, 161-195. Retention of skill after lapse of practice: simultaneous reading and writing 28, 396-408.
- Andrews, B. R. Habit 14, 121-149. Auditory tests 15, 14-56. Auditory tests 16, 302-306.
- Andrews, G. A. Studies of the dream consciousness 12, 131-134.
- Angell, F. Discrimination of clangs for different intervals of time, Part II 12, 58-79. On judgments of "like" in discrimination experiments 18, 253-260. Note on some of the physical factors affecting reaction time, together with a description of a new reaction key 22, 86-93. Projection of the negative after-image in the field of the closed lids 24, 576-578. Duration, energy and extent of reaction movements—simple and flying reactions 30, 224-236.
- Angell, F., and Coover, J. E. General practice effect of special exercise 18, 328-340.
- Angell, F., and Harwood, H. Experiments on discrimination of clangs for different intervals of time, Part I 11, 67-79. Part II 12, 58-79.
- Angell, F., and Root, W. T., Jr. Size and distance of projection of an after-image on the field of the closed eyes 24, 262-266.
- Angell, J. R., and Pierce, A. H. Experimental research upon the phenomena of attention 4, 528-541.
- Arnett, L. D. The soul—a study of past and present beliefs 15, 121-200 347-382. Counting and adding 16, 327-336.
- Arnold, F. The initial tendency in ideal revival 18, 239-252.
- Arps, G. F. A marked case of double inversion 27, 203-216.
- Arps, G. F., and Conrad, H. E. An experimental study of economical learning 27, 507-529.
- Ashmun, M. A study of temperaments as illustrated in literature 19, 519-535.
- Atherton, M., and Washburn, M. F. Mediate associations studied by the method of inhibiting association: an instance of the effect of "Aufgabe" 23, 101-109.
- Auzoux, —. Brain model on a large scale 4, 132-141.
- Babbitt, M., Woods, M., and Washburn, M. F. Affective sensitiveness to colors, tone intervals, and articulate sounds 26, 289-291.
- Bacon, M. M., Rood, E. A., and Washburn, M. F. A study of affective contrast 25, 290-293.

- Bagley, F. W. An investigation of Fechner's colors 13, 488-525.
- Bagley, W. C. The apperception of the spoken sentence: a study in the psychology of language 12, 80-130. On the correlation of mental and motor ability in school children 12, 193-205.
- Bailey, T. P., Jr. Ejective philosophy 5, 465-471.
- Baird, J. W. The influence of accommodation and convergence upon the perception of depth 14, 150-200. The Proceedings of the Philadelphia meeting of experimental psychologists 18, 383-388. Theodule Armand Ribot—1839-1916 28, 312-313.
- Baldwin, (Mrs.) F. T., see Churchill, L. M.
- Baldwin, J. M. Psychology at the University of Toronto 3, 285-286. Color perception of children 9, 61-62.
- Bancroft, C. P. Automatic muscular movements among the insane; their physiological significance 3, 437-452.
- Barnes, B. Eye-movements 16, 199-207.
- Barnes, F. B. Some aspects of memory in the insane 19, 43-57.
- Barnes, H. E. Psychology and history: some reasons for predicting their more active cooperation in the future 30, 337-376.
- Barnholt, S. E., and Bentley, [I.] M. Thermal intensity and the area of stimulus 22, 325-332.
- Barrell, F. R. The relation of stimulus to sensation. A reply to Mr. Max Meyer's criticism on Prof. C. Lloyd Morgan's paper 12, 135-139.
- Bascom, J. Laurus Perseus Hickok 19, 359-373.
- Bassett, M. F., and Warne, C. J. On the lapse of verbal meaning with repetition 30, 415-418.
- Batty, M. Some observations upon practice and fatigue as they affect the rate of tapping 20, 449-455.
- Baum, H., Litchfield, M., and Washburn, M. F. The results of certain standard mental tests as related to the academic records of college seniors 30, 307-310.
- Baxter, M. F., Yamada, K., and Washburn, M. F. Directed recall of pleasant and unpleasant experiences 28, 155-157.
- Beaunis, H. Contribution à la psychologie du rêve 14, 271-287.
- Bell, A., and Muckenhaupt, L. A comparison of methods for the determination of ideational type 17, 121-126.
- Bell, J., Hatch, G. E., and Ohr, L. T. The effect of suggestion upon the reproduction of triangles and of point distances 19, 504-518.
- Bell, S. A preliminary study of the emotion of love between sexes 13, 325-354.
- Bentley, [I.] M. The memory image and its qualitative fidelity 11, 1-48. The synthetic experiment 11, 405-425. The psychology of mental arrangement 13, 269-293. The simplicity of color tones 14, 92-95. Professor Calkins on mental arrangement 14, 113-114. A critique of 'fusion' 14, 324-336. Professor Cattell's statistics of American psychologists 15, 102-103. The psychology of organic movements 17, 293-305. An observation table 20, 278-279. The study of dreams: a method adapted to the seminary 26, 196-210.
- Bentley, [I.] M., and Barnholt, S. E. Thermal intensity and the area of stimulus 22, 325-332.
- Bentley, [I.] M., and Sabine, G. H. A study in tonal analysis—I 16, 484-498.
- Bentley, [I.] M., and Titchener, E. B. Ebbinghaus' explanation of beats 15, 62-71.
- Bentley, [I.] M., Boring, E. G., and Ruckmich, C. A. New apparatus for acoustical experiments 23, 509-516.
- Bergström, J. A. Experiments upon physiological memory by means of the interference of associations 5, 356-369. An experimental study of some of the conditions of mental activity 6, 247-274. The relation of the interference to the practice effect of an association 6, 433-442. A new type of ergograph, with a discussion of ergographic experimentation 14, 510-540.
- Bergström, J. A., Sanders, W. H., and Herrington, F. A. Effect of changes in the time variables in memorizing, together with some discussion of the technique of memory experimentation 18, 206-238.

- Berliner, A. The influence of mental work on the visual memory image 29, 355-370.
- Berry, C. S., and Yerkes, R. M. The association reaction method of mental diagnosis (Tatbestandsdiagnostik) 20, 22-37.
- Birch, L. G. A study of certain methods of distracting the attention II—Distraction by odors 9, 45-55.
- Bird, C. From home to the charge: a psychological study of the soldier 28, 315-348.
- Blanchard, P. A psycho-analytic study of Auguste Comte 29, 159-181.
- Bliss, S. H. The origin of laughter 26, 236-246. The significance of clothes 27, 217-226.
- Boas, F. Psychological problems in anthropology 21, 371-384.
- Bock, C. W. The neural correlates of instincts and habits 30, 377-405.
- Boggs, L. P. Studies in absolute pitch 18, 194-205.
- Bolger, E. M., and Titchener, E. B. Some experiments on the associative power of smells 18, 326-327.
- Bolton, E. C., Moorehouse, G. W., Johnston, E. T., and Jastrow, J. Further studies of classification-times 5, 232-239.
- Bolton, F. E. A contribution to the study of illusions, with special reference to (a) the effect of size upon estimations of weight, (b) the effect of contour upon estimations of area 9, 167-182. Hydro-psychoses 10, 169-227.
- Bolton, T. L. The growth of memory in school children 4, 362-380. On the discrimination of groups of rapid clicks 5, 294-310. Rhythm 6, 145-238, 310-311. The relation of motor power to intelligence 14, 615-631.
- Bolton, T. L., and Donaldson, H. H. The size of several cranial nerves in man as indicated by the areas of their cross-sections 4, 224-229.
- Borgquist, A. Crying 17, 149-205.
- Boring, E. G. Introspection in dementia precox 24, 145-170. The sensations of the alimentary canal 26, 1-57. The thermal sensitivity of the stomach 26, 485-494. The number of observations upon which a limen may be based 27, 315-319. Delboeuf disks and the Kirschmann photometer 28, 279-280. Urban's tables and the method of constant stimuli 28, 280-293. On the computation of the probable correctness of differences 28, 454-459. A chart of the psychometric function 28, 465-470.
- Boring, E. G., and Foster, W. S. A compressed air system for demonstrational purposes 28, 278-279.
- Boring, E. G., and Luce, A. The psychological basis of appetite 28, 443-453.
- Boring, E. G., Bentley, [I.] M., and Ruckmich, C. A. New apparatus for acoustical experiments 23, 509-516.
- Boring, L. D., see Day, L. M.
- Boswell, F. P., and Foster, W. S. On memorizing with the intention permanently to retain. 27, 420-426.
- Boynton, L. J., Dewar, M., Wheeler, H. S., Foster, E., and Gamble, E. A. Mc C. The effect of music on thoracic breathing 17, 406-414.
- Bradford, E. J. G. A note on the relation and aesthetic value of the perceptive types in color appreciation 24, 545-554; 25, 318. Measures of variability 27, 234-244.
- Brown, A. J. Some uses of artificial daylight in the psychological laboratory 27, 427-429.
- Brown, D. E., Browning, M., and Washburn, M. F. The effect of the interval between repetitions on the speed of learning a series of movements 24, 580-583.
- Brown, W. D., and Jastrow, J. On the judgment of horizontal, vertical and oblique positions of lines 5, 220-223. The psycho-physic series applied to lifted weights 5, 245-247.
- Browne, C. E. The psychology of the simple arithmetical processes: a study of certain habits of attention and association 17, 1-37.
- Browning, M., Brown, D. E., and Washburn, M. F. The effect of the interval between repetitions on the speed of learning a series of movements 24, 580-583.

- Bryan, W. L. Psychology at Indiana University 3, 283-284. On the development of voluntary motor ability 5, 125-204.
- Büchner, E. F. Fixed visualization: three new forms 13, 355-363. A quarter century of psychology in America: 1878-1903 14, 666-680.
- Burk, F. Growth of children in height and weight 9, 253-326.
- Burnham, W. H. Memory, historically and experimentally considered: I. An historical sketch of the older conceptions of memory 2, 39-90. II. Modern conceptions of memory 2, 225-270. III. Paramnesia 2, 431-464. IV. 2, 568-622. Retroactive amnesia: illustrative cases and a tentative explanation 14, 382-396. Attention and interest 19, 14-18. The problem of fatigue 19, 385-399. The significance of stimulation in the development of the nervous system 23, 38-56.
- Burr, E., and Geissler, L. R. An introspective analysis of the association-reaction and consciousness 24, 564-569.
- Burt, H. E. Factors which influence the arousal of the primary visual memory image 27, 87-118.
- Butler, N. M. Psychology at Columbia College 3, 277-278.
- Cairnes, W. B., and Jastrow, J. The psychophysics series and the time-sense 4, 213-217. The interference of mental processes. A preliminary survey 4, 219-223.
- Calkins, M. W. Experimental psychology at Wellesley College 5, 260-271. Statistics of dreams 5, 311-314. A statistical study of pseudo-chromesthesia and of mental forms 5, 439-464. Synaesthesia 7, 90-107. The abandonment of sensationalism in psychology 20, 269-277. The self in scientific psychology 26, 495-524.
- Campbell, I. G. Manicism: a study in the psychology of religion 29, 1-49.
- Cannon, W. B. The interrelations of emotions as suggested by recent physiological researches 25, 256-282, 467.
- Carman, A. Pain and strength measurements of 1,507 school children in Saginaw, Michigan 10, 392-398.
- Carnes, M., and Shearer, L. C. Mechanical vs. manual stimulation in the determination of the cutaneous two-point limen 27, 417-419.
- Carter, M. H. Darwin's idea of mental development 9, 534-559. Romanes' idea of mental development 11, 101-118.
- Carter, T. P., Sherry, E. P., and Jastrow, J. A further study of involuntary movements 5, 223-231.
- Cassel, E. E., and Dallenbach, K. M. The effect of auditory distraction upon the sensory reaction 29, 129-143. An objective measure of attributive clearness 29, 204-207.
- Cattell, J., Glascock, J., and Washburn, M. F. Experiments on a possible test of aesthetic judgment of pictures 29, 333-336.
- Cattell, J. McK. Psychology at the University of Pennsylvania 3, 281-283. On errors of observation 5, 285-293. Proceedings of the American Psychological Association's Third Annual Meeting, 1894-1895 6, 617-631. Statistics of American psychologists, 1903 14, 574-592.
- Chamberlain, A. F. Some points in linguistic psychology 5, 116-119. On the words for "anger" in certain languages 6, 585-592. On the words for "fear" in certain languages 10, 302-305. Primitive taste-words 14, 410-417. Primitive hearing and "hearing-words" 16, 119-130. Acquisition of written language by primitive people 17, 69-80. Analogy in the languages of primitive peoples 18, 442-446. Notes on some aspects of the folk-psychology of night 19, 19-42.
- Chamberlain, A. F., and Chamberlain, I. C. Hypnagogic images and bi-vision in early childhood. A note 17, 272-273.
- Chamberlain, E., and Leuba, J. H. The influence of the duration and of the rate of arm movements upon the judgment of their length 20, 374-385.
- Chamberlain, I. C., and Chamberlain, A. F. Hypnagogic images and bi-vision in early childhood. A note 17, 272-273.

- Chapin, M. W., and Washburn, M. F. A study of the images representing the concept "meaning" 23, 109-114.
- Chapman, J. C., and Nolan, W. J. Initial spurt in a simple mental function 27, 256-260.
- Chase, H. W. On the inheritance of acquired modifications of behavior 28, 175-190. Psychology and social science 28, 216-228.
- Chiabra, G. The tendencies of experimental psychology in Italy 15, 515-525.
- Child, C. M. Statistics of "unconscious cerebration" 5, 249-259.
- Churchill, L. M., Sercombe, W., and Jastrow, J. Finding-time 4, 415-420.
- Clark, D., Goodell, M. S., and Washburn, M. F. The effect of area on the pleasantness of colors 22, 578-579.
- Clark, H. Visual imagery and attention: an analytical study 27, 461-492.
- Clark, H., Quackenbush, N., and Washburn, M. F. A suggested coefficient of affective sensitiveness 24, 583-585.
- Clarke, H. M. Conscious attitudes 22, 214-249.
- Clark University Psychological Laboratory, Minor studies from,
- I. Bolton, T. L. On the discrimination of groups of rapid clicks 5, 294-310.
 - II. Calkins, M. W. Statistics of dreams 5, 311-343.
 - III. Dresslar, F. B. On the pressure sense of the drum of the ear and "facial-vision" 5, 344-350.
 - IV. Reigart, J. F., and Sanford, E. C. On reaction-times when the stimulus is applied to the reacting hand 5, 351-355.
 - V. Bergström, J. A. Experiments upon physiological memory by means of the interference of associations 5, 356-369.
 - VI. Leuba, J. H. A new instrument for Weber's law; with indications of a law of sense memory 5, 370-384.
 - VII. Sanford, E. C. A new pendulum chronograph 5, 385-389.
 - VIII. Miles, C. A study of individual psychology 6, 534-558.
 - IX. Daniels, A. H. The memory after-image and attention 6, 558-564.
 - X. Hamlin, A. J. On the least observable interval between stimuli addressed to disparate senses and to different organs of the same sense 6, 564-575.
 - XI. Sanford, E. C. Notes on new apparatus 6, 575-584.
 - XII. Whipple, G. M. On nearly simultaneous clicks and flashes 10, 280-286.
 - XIII. Colegrove, F. W. The time required for recognition 10, 286-292.
 - XIV. Colegrove, F. W. Notes on mental standards of length 10, 292-295.
 - XV. Curtis, H. S. Automatic movements of the larynx 11, 237-239.
 - XVI. Stewart, C. C. Zöllner's anorthoscopic illusion 11, 240-243.
 - XVII. Partridge, G. E. Experiments upon the control of the reflex wink 11, 244-250.
 - XVIII. Arnett, L. D. Counting and adding 16, 327-336.
 - XIX. Gard, W. L. A preliminary study of the psychology of reasoning 18, 490-504.
 - XX. Smith, M. K. On the reading and memorizing of meaningless syllables presented at irregular time intervals 18, 504-513.
 - XXI. Stevenson, T. J., and Sanford, E. C. A preliminary report of experiments on time relations in binocular vision 19, 130-137.
 - XXII. Ellison, L. Children's capacity for abstract thought as shown by their use of language in the definition of abstract terms 19, 253-260.
- Cleveland, A. A. The psychology of chess and of learning to play it 18, 269-308.
- Cobb, M. E., Kincaid, M., and Washburn, M. F. Further tests of the verbal ability of poor spellers 29, 331-332.
- Colegrove, F. W. Individual memories 10, 228-255. The time required for recognition 10, 286-292. Notes on mental standards of length 10, 292-295.
- Collins, R., and Ferree, C. E. An experimental demonstration of the binaural ratio as a factor in auditory localization 22, 250-297.

- Colvin, S. S. The fallacy of extreme idealism 11, 511-526. The psychological necessity of religion 13, 80-87.
- Conklin, E. S. Superstitious belief and practice among college students 30, 83-102.
- Conrad, H. E., and Arps, G. F. An experimental study of economical learning 27, 507-529.
- Conradi, E. Song and call-notes of English sparrows when reared by canaries 16, 190-198.
- Cook, H. O. Fluctuation of the attention to musical tones 11, 119-123.
- Coover, J. E. "The feeling of being stared at"—experimental 24, 570-575.
- Coover, J. E., and Angell, F. General practice effect of special exercise 18, 328-340.
- Coriat, I. H. The psychopathology of apraxia 22, 65-85.
- Cornell University Psychological Laboratory, Minor studies from,
- I. Howe, H. C. "Mediate" association 6, 239-241.
 - II. Hill, A. R., and Watanabe, R. "Sensorial" and "muscular" reactions 6, 242-246.
 - III. Watanabe, R. Two points in reaction-time experimentation 6, 408-412.
 - IV. Knox, H. W. On the quantitative determination of an optical illusion 6, 413-421. 9, 60.
 - V. Washburn, M. F., Scripture, E. W., and Titchener, E. B. Some apparatus for cutaneous stimulation 6, 422-426.
 - VI. Titchener, E. B. Taste dreams 6, 505-509.
 - VII. Watanabe, R. On the quantitative determination of an optical illusion 6, 509-514. 9, 60.
 - VIII. Parrish, C. S. The cutaneous estimation of open and filled space 6, 514-523.
 - IX. Pillsbury, W. B. Some questions of the cutaneous sensibility 7, 42-57.
 - X. Major, D. R. On the affective tone of simple sense-impressions 7, 57-77.
 - XI. Parrish, C. S. Localisation of cutaneous impressions by arm movement without pressure upon the skin 8, 250-267.
 - XII. Moyer, F. E. A study of certain methods of distracting the attention I. Addition and cognate exercises: discrimination of odors 8, 405-413.
 - XIII. Talbot, E. B. An attempt to train the visual memory 8, 414-417.
 - XIV. Birch, L. G. A study of certain methods of distracting the attention II. Distraction by odors 9, 45-55.
 - XV. Pillsbury, W. B. The projection of the retinal image 9, 56-60.
 - XVI. Darlington, L., and Talbot, E. B. A study of certain methods of distracting the attention III. Distraction by musical sounds; the effect of pitch upon attention 9, 332-345.
 - XVII. Major, D. R. Cutaneous perception of form 10, 143-147.
 - XVIII. Cook, H. O. Fluctuation of the attention to musical tones 11, 119-123.
 - XIX. Secor, W. B. Visual reading: a study in mental imagery 11, 225-236.
 - XX. Dimmick, F. L. On the localization of pure warmth sensations 26, 142-150.
 - XXI. Meads, L. G. Form vs. intensity as a determinant of attention 26, 150-151.
 - XXII. Gates, E. J. The determination of the limens of single and dual impression by the method of constant stimuli 26, 152-157.
 - XXIII. Gates, E. J. On intensive and qualitative judgments of light sensations 26, 296-299.

- XXIV. *Rich, G. J.* On the variation with temperature of the pitch of whistles and variators 26, 444-449.
- XXV. *Smith, J. S.* Visual quality as a determinant of clearness 26, 449-453.
- XXVI. *Modell, J. D., and Rich, G. J.* A preliminary study of vowel qualities 26, 453-456.
- XXVII. *Alspach, E. M.* Simplicity vs. complexity of color hues 27, 273-282.
- XXVIII. *Carnes, M., and Shearer, L. C.* Mechanical vs. manual stimulation in the determination of the cutaneous two-point limen 27, 417-419.
- XXIX. *Boswell, F. P., and Foster, W. S.* On memorizing with the intention permanently to retain 27, 420-426.
- XXX. *Brown, A. J.* Some uses of artificial daylight in the psychological laboratory 27, 427-429.
- XXXI. *English, G.* On the psychological response to unknown proper names 27, 430-434.
- XXXII. *Dimmick, F. L.* On cutaneous after-images 27, 566-569.
- XXXIII. *de Laski, E.* On perceptive forms below the level of the two-point limen 27, 569-571.
- XXXIV. *Curtis, J. N., and Foster, W. S.* Size vs. intensity as a determinant of attention 28, 293-296.
- XXXV. *Alspach, E. M.* On the psychological response to unknown proper names 28, 436-443.
- XXXVI. *Boring, E. G., and Luce, A.* The psychological basis of appetite 28, 443-453.
- XXXVII. *Cowdrick, M.* The Weber-Fechner law and Sanford's weight experiment 28, 585-588.
- XXXVIII. *Hoisington, L. B.* An example of the fractionation of data from the method of constant stimuli for the two-point limen 28, 588-596.
- XXXIX. *Crane, R. L.* The effect of absolute brightness upon color contrast 28, 597-607.
- XL. *Williams, H. D.* On the calculation of an associative limen 29, 219-226.
- XLI. *Kincaid, M.* An analysis of the psychometric function for the two-point limen with respect to the paradoxical error 29, 227-232.
- XLII. *de Laski, E.* The psychological attitude of Charles Dickens toward surnames 29, 337-346.
- XLIII. *Cutolo, F., Jr.* A preliminary study of the psychology of heat 29, 442-448.
- XLIV. *Bassett, M. F., and Warne, C. J.* On the lapse of verbal meaning with repetition 30, 415-418.
- XLV. *Cowdrick, M., and Winfield, M.* The adjustment of the Hering color-blindness apparatus 30, 418-422.
- XLVI. *Straus, H. H., and Uhlmann, R. F.* Adaptation of superficial pain 30, 422-424.
- Cowdrick, M. The Weber-Fechner law and Sanford's weight experiment 28, 585-588.
- Cowdrick, M., and Winfield, M. The adjustment of the Hering color-blindness apparatus 30, 418-422.
- Cowles, E. Insistent and fixed ideas 2, 222-270. Research in pathological psychology and biochemistry 28, 117-140.
- Crane, R. L. The effect of absolute brightness upon color contrasts 28, 597-607.
- Crawford, D., and Washburn, M. F. Fluctuations in the affective value of colors during fixation for one minute 22, 579-582.
- Curtis, H. S. Automatic movements of the larynx 11, 237-239.

- Curtis, J. N. On psychology as science of selves 26, 68-98. Duration and the temporal judgment 27, 1-46.
- Curtis, J. N., and Foster, W. S. Size vs. intensity as a determinant of attention 28, 293-296.
- Cutolo, F., Jr. A preliminary study of the psychology of heat 29, 442-448.
- Dallenbach, K. M. The measurement of attention 24, 465-507. The history and derivation of the word "function" as a systematic term in psychology 26, 473-484. The measurement of attention in the field of cutaneous sensation 27, 443-460. Dr. Morgan on the measurement of attention 29, 122-123.
- Dallenbach, K. M., and Cassel, E. E. The effect of auditory distraction upon the sensory reaction 29, 129-143. An objective measure of attributive clearness 29, 204-207.
- Daniels, A. H. The new life: a study of regeneration 6, 61-106. The memory after-image and attention 6, 558-564.
- Darlington, L., and Talbot, E. B. A study of certain methods of distracting the attention III. Distraction by musical sounds; the effect of pitch upon attention 9, 332-345.
- Dashiell, J. F. Sixteen origins of the mind 29, 435-441.
- Davis, H. B. The raccoon: a study in animal intelligence 18, 447-489.
- Dawson, G. E. Psychic rudiments and morality 11, 181-224.
- Day, L. M. The effect of illumination on peripheral vision 23, 533-578.
- Dean, P. R., Lay, W., and Thorndike, E. L. The relation of accuracy in sensory discrimination to general intelligence 20, 364-369.
- Dearborn, G. V. A study of imaginations 9, 183-190. Kinesthesia and the intelligent will 24, 204-255.
- Delabarre, E. B. A method of recording eye-movements 9, 572-574.
- De Laski, E. On perceptive forms below the level of the two-point limen 27, 569-571. The psychological attitude of Charles Dickens toward surnames 29, 337-346.
- Dellinger, O. P., and Gibbs, D. The daily life of *Amoeba proteus* 19, 232-241.
- De Vries, A., see Schaub, A. de V.
- Dewar, M., Boynton, L. J., Wheeler, H. S., Foster, E., and Gamble, E. A. McC. The effect of music on thoracic breathing 17, 406-414.
- Dimmick, F. L. On the localization of pure warmth sensations 26, 142-150. On cutaneous after-images 27, 566-569.
- Dodge, R. The theory and limitations of introspection 23, 214-229. The refractory phase of the protective-wink reflex: the primary fatigue of a human nervous arc 24, 1-7.
- Donaldson, H. H. On the relation of neurology to psychology 1, 209-221. Anatomical observations on the brain and several sense-organs of the blind deaf-mute, Laura Dewey Bridgman—I. 3, 293-342. —II. 4, 248-294. Notes on models of the brain 4, 130-131. The extent of the visual area of the cortex in man, as deduced from the study of Laura Bridgman's brain 4, 503-513.
- Donaldson, H. H., and Bolton, T. L. The size of several cranial nerves in man as indicated by the areas of their cross-sections 4, 224-229.
- Donovan, M. E., and Thorndike, E. L. Improvement in a practice experiment under school conditions 24, 426-428.
- Dooley, L. A study in correlation of normal complexes by means of the association method, 27, 119-151. Psychoanalytic studies of genius 27, 363-416.
- Downey, J. E. A musical experiment 9, 63-69. A case of colored gustation 22, 528-539. The psychology of figures of speech 30, 103-115.
- Downey, J. E., and Anderson, J. E. Automatic writing 26, 161-195. Retention of skill after lapse of practice: simultaneous reading and writing 28, 396-408.

- Dresslar, F. B. Some influences which affect the rapidity of voluntary movements 4, 514-527. On the pressure sense of the drum of the ear and "facial-vision" 5, 344-350. A new illusion for touch and an explanation for the illusion of displacement of certain cross lines in vision 6, 275-276. A new and simple method for comparing the perception of rate of movement in direct and indirect fields of vision 6, 312. Studies in the psychology of touch 6, 313-368. Are chromaesthesias variable? 14, 632-646.
- Drew, F. Attention: experimental and critical 7, 533-572.
- Dunlap, K. Terminology in the field of sensation 22, 444.
- Edgell, B. On time judgment 14, 418-436.
- Edwards, A. S. An experimental study of sensory suggestion 26, 99-129.
- Edwards, C. L. Winter roosting colonies of crows 1, 436-459. Folk-lore of the Bahama negroes 2, 519-542.
- Ellis, A. C., and Shipe, M. M. A study of the accuracy of the present methods of testing fatigue 14, 496-509.
- Ellis, H. Sexual education and nakedness 20, 297-317.
- Ellison, L., see Ordahl, L. E.
- English, G. On the psychological response to unknown proper names 27, 430-434.
- Feingold, G. A. The influence of suggestion on imagination 26, 540-549.
- Ferenczi, S. The psychological analysis of dreams 21, 309-328.
- Fernberger, S. W. Convention of experimental psychologists 24, 445. A simplification of the practice of the method of constant stimuli 25, 121-130. Note on the affective values of colors 25, 448-449. The effect of the attitude of the subject upon the measure of sensitivity 25, 538-543. The effects of practice in its initial stages in lifted weight experiments and its bearing upon anthropometric measurements 27, 261-272. A laboratory note 27, 295-296. On the number of articles of psychological interest published in the different languages 28, 141-150. Possible effects of the imaginal type of the subject on aphasic disturbances 30, 327-336.
- Ferrari, G. C. Experimental psychology in Italy 16, 225-227.
- Ferree, C. E. An experimental examination of the phenomena usually attributed to fluctuation of attention 17, 81-120. The intermittence of minimal visual sensations: studied from the side of the negative after-image—I. The fluctuation of the negative after-image 19, 58-129. The streaming phenomenon 19, 484-503. Description of a rotary campimeter 23, 449-453. The fluctuation of liminal visual stimuli of point area 24, 378-409.
- Ferree, C. E., and Collins, R. An experimental demonstration of the binaural ratio as a factor in auditory localization 22, 250-297.
- Ferree, C. E., and Rand, G. A note on the determination of the retina's sensitivity to colored light in terms of radiometric units 23, 328-332. A simple daylight photometer 27, 335-340. The speed of adjustment of the eye for clear seeing at different distances: a study of ocular functions with special reference to aviation 30, 40-61.
- Finkenbinder, E. O. The curve of forgetting 24, 8-32. The remembrance of problems and of their solutions: a study in logical memory 25, 32-81.
- Fisher, S. C. An analysis of a phase of the process of classifying 28, 57-116.
- Flesh, S. B., Smith, H., and Jastrow, J. On the pressure sense 3, 54-56.
- Fletcher, J. M. An experimental study of stuttering 25, 201-255.
- Flood, E. Notes on the castration of idiot children 10, 296-301.
- Forel, A. Unconscious suggestion 4, 594-595.
- Foster, E., Pitkin, C. E., and Gamble, E. A. McC. Attention and thoracic breathing 16, 261-292.
- Foster, E., Gamble, E. A. McC., Boynton, L. J., Dewar, M., and Wheeler, H. S. The effect of music on thoracic breathing 17, 406-414.
- Foster, H. H. The necessity for a new standpoint in sleep theories 12, 145-177.
- Foster, J. C., see Curtis, J. N.

- Foster, W. S. On the perseverative tendency 25, 393-426.
- Foster, W. S., and Boring, E. G. A compressed air system for demonstrational purposes 28, 278-279.
- Foster, W. S., and Boswell, W. P. On memorizing with the intention permanently to retain 27, 420-426.
- Foster, W. S., and Curtis, J. N. Size *vs.* intensity as a determinant of attention 28, 293-296.
- Foster, W. S., and Roese, K. The tridimensional theory of feeling from the standpoint of typical experiences 27, 157-170.
- Foster, W. S., and Titchener, E. B. A list of the writings of James Ward 23, 457-460. A bibliography of the scientific writings of Wilhelm Wundt (Fourth supplementary list) 23, 532. A bibliography of the scientific writings of Wilhelm Wundt (Fifth supplementary list) 24, 586. A bibliography of the scientific writings of Wilhelm Wundt (Sixth supplementary list) 25, 599.
- France, C. J. The gambling impulse 13, 364-407.
- Franklin, C. L., see Ladd-Franklin, C.
- Franz, S. I. The time of some mental processes in the retardation and excitement of insanity 17, 38-68.
- Fraser, A. Visualization as a chief source of the psychology of Hobbes, Locke, Berkeley, and Hume 4, 230-247. The psychological foundation of natural realism 4, 429-450. The psychological basis of Hegelism 5, 472-495.
- Fraser, C. F. Psychology of the blind 28, 229-237.
- French, F. C. An examination of Höffding's theory of religion 15, 108-113.
- Freud, S. The origin and development of psychoanalysis 21, 181-218.
- Friedline, C. L. The discrimination of cutaneous patterns below the two-point limen 29, 400-419.
- Frost, E. P. The characteristic form assumed by dreams 24, 410-413.
- Gale, H. The psychology of "native sons" 30, 27-30.
- Galloway, C. E. The effect of stimuli upon the length of Traube-Hering waves 15, 499-512.
- Gamble, E. A. McC. The applicability of Weber's law to smell 10, 82-142.
- Gamble, E. A. McC., Pitkin, C. E., and Foster, E. Attention and thoracic breathing 16, 261-292.
- Gamble, E. A. McC., Foster, E., Boynton, L. J., Dewar, M., and Wheeler, H. S. The effect of music on thoracic breathing 17, 406-414.
- Gard, W. L. A preliminary study of the psychology of reasoning 18, 490-504.
- Garver, N., Gleason, J. M., and Washburn, M. F. The source of affective reactions to articulate sounds 26, 292-295.
- Gates, E. J. The determination of the limens of single and dual impression by the method of constant stimuli 26, 152-157. On intensive and qualitative judgments of light sensations 26, 296-299.
- Gaule, J. What is life? 14, 1-11.
- Gault, R. H. A sketch of the history of reflex action in the latter half of the nineteenth century 15, 526-568. On conditions affecting the maximal rate of voluntary extensor and flexor movements of the right arm 16, 357-388.
- Geissler, L. R. Fluctuations of attention to cutaneous stimuli 18, 309-321. A critique of Professor Wirth's methods of measurement of attention 20, 120-130. The measurement of attention 20, 473-529. The measurability of attention by Professor Wirth's methods 21, 151-156. Professor Wirth on the experimental analysis of consciousness 21, 489-499. A preliminary introspective study of the association-reaction consciousness 21, 597-602. Analysis of consciousness under negative instruction 23, 183-213. Experiments on color saturation 24, 171-179. Sound localization under determined expectation 26, 268-285.

- Geissler, L. R., and Burr, E. An introspective analysis of the association-reaction consciousness 24, 564-569.
- Geissler, L. R., and Titchener, E. B. A bibliography of the scientific writings of Wilhelm Wundt 19, 541-556. First supplementary list 20, 570. Second supplementary list 21, 603-604. Third supplementary list 22, 586-587.
- George, S. S. The gesture of affirmation among the Arabs 27, 320-323. Attitude in relation to the psychological judgment 28, 1-37.
- Gesell, A. L. A case of symbolistic writing with senile delusions 16, 519-536. Accuracy in handwriting, as related to school intelligence and sex 17, 394-405. Jealousy 17, 437-496.
- Getchell, A. C. Observations on the olfactory region [Brain of Laura Bridgman] 4, 269-280.
- Gibbs, D., and Dellinger, O. P. The daily life of *Amoeba proteus* 19, 232-241.
- Gibson, L., and Hartman, T. The comparative rapidity of hydrochloric, sulphuric and acetic acids 30, 311-313.
- Giddings, Mrs. C., see Lee, A. A.
- Gilman, B. I. Report on an experimental test of musical expressiveness 4, 558-576; 5, 42-73. Syllabus of lectures on the psychology of pain and pleasure 6, 3-60.
- Glascok, J., Cattell, J., and Washburn, M. F. Experiments on a possible test of aesthetic judgment of pictures 29, 333-336.
- Gleason, J. M. An experimental study of 'feelings of relation' 30, 1-26.
- Gleason, M., Garver, L. N., and Washburn, M. F. The source of affective reactions to articulate sounds 26, 292-295.
- Goddard, H. H. The effects of mind on body as evidenced by faith cures 10, 431-502.
- Goodell, M. S., Clark, D., and Washburn, M. F. The effect of area on the pleasantness of colors 22, 578-579.
- Goudge, M. E. A qualitative and quantitative study of Weber's illusion 29, 81-119.
- Gowen, B. S. Some aspects of pestilences and other epidemics 18, 1-60.
- Graves, K. B., Heath, E., and Washburn, M. F. Directed egocentric reactions 30, 300-302.
- Griffing, H. On the development of visual perception and attention 7, 227-236.
- Guillett, C. Retentiveness in child and adult 20, 318-352.
- Gurley, R. R. The habits of fishes 13, 408-425. Chapters for a biological empirical psychology 29, 60-106.
- Haggerty, M. E., and Kempf, E. J. Suppression and substitution as a factor in sex differences 24, 414-425.
- Hall, G. S. Children's lies 3, 59-70. A sketch of the history of reflex action: Introductory 3, 71-86. Contemporary psychologists: I Professor Edward Zeller 4, 156-175. A study of fears 8, 147-249. Some aspects of the early sense of self 9, 351-395. A study of anger 10, 516-591. Note on moon fancies 14, 88-91. Child-study at Clark University. An impending new step 14, 96-106. A glance at the phyletic background of genetic psychology 19, 149-212. Why Kant is passing 23, 370-426. A synthetic genetic study of fear: Chapter I 25, 149-200. Chapter II 25, 321-392. The Freudian methods applied to anger 26, 438-443. Thanatophobia and immortality 26, 550-613. A reminiscence 28, 297-300. A medium in the bud 29, 144-158. Some relations between the war and psychology 30, 211-223.
- Hall, G. S., and Allin, A. The psychology of tickling, laughing, and the comic 9, 1-41.
- Hall, G. S., and Motora, Y. Dermal sensitiveness to gradual pressure changes 1, 72-98.

- Hall, G. S., and Saunders, F. H. Pity 11, 534-591.
- Hall, G. S., and Smith, T. L. Reactions to light and darkness 14, 21-83.
- Hallam, F. M., Weed, S. C., and Phinney, E. D. A study of the dream-consciousness 7, 405-411.
- Hamlin, A. J. On the least observable interval between stimuli addressed to disparate senses and to different organs of the same sense 6, 564-575. Attention and distraction 8, 3-66.
- Hanks, L. M., Kerr, J. B., and Jastrow, J. On the psychophysics series. B. Tactual-motor extension 3, 47-49.
- Harper, M., Moorehouse, G. W., and Jastrow, J. Classification time 4, 411-415.
- Harris, J. W. On the associative power of odors 19, 557-561.
- Hartman, T., and Gibson, L. The comparative sapidity of hydrochloric, sulphuric and acetic acids 30, 311-313.
- Harwood, H., and Angell, F. Experiments on discrimination of clangs for different intervals of time: Part I 11, 67-79.
- Hatch, G. E., Bell, J. C., and Ohr, L. T. The effect of suggestion upon the reproduction of triangles and of point distances 19, 504-518.
- Hayden, E. A. Memory for lifted weights 17, 497-521.
- Hayes, S. P. An historical study of the Edwardean revivals 13, 550-574. A study of the affective qualities—I. The tridimensional theory of feeling 17, 358-393. The color sensations of the partially color-blind, a criticism of the current teaching 22, 369-407.
- Heath, E., Graves, K. B., and Washburn, M. F. Directed egocentric reactions 30, 300-302.
- Hempstead, L. The perception of visual form 12, 185-192.
- Henke, F. G. A note on the psychology of vitalism 30, 406-414.
- Herrington, F. A., Sanders, W. H., and Bergström, J. A. Effect of changes in the time variables in memorizing, together with some discussion of the technique of memory experimentation 18, 206-238.
- Hervey, W. L. Department of psychology at the New York College for the Training of Teachers 3, 277.
- Heywood, A., and Vortiede, H. A. Some experiments on the associative power of smells 16, 537-541; 17, 148.
- Hicks, J., and Washburn, M. F. A suggestion towards a study of the perception of sound movement 19, 247-248.
- Hill, A. R., and Watanabe, R. "Sensorial" and "muscular" reactions 6, 242-246.
- Hill, C. M. On choice 9, 587-590.
- Hoag, R., Lindemann, J. A., and Washburn, M. F. A study of errors in the perception of movement on the skin 19, 245-247.
- Hobart College see William Smith and Hobart Colleges.
- Hodge, C. F. Some effects of stimulating ganglion cells. Preliminary communication 1, 479-486. Some effects of electrically stimulating ganglion cells 2, 376-402. A sketch of the history of reflex action: I—Beginnings and development to the time of Charles Bell 3, 149-167. II—Bell's law 3, 343-363. The process of recovery from the fatigue occasioned by the electrical stimulation of cells of the spinal ganglia: Experiments upon cats 3, 530-543.
- Hodge, C. F., and Aikins, H. A. The daily life of a protozoan: a study in comparative psycho-physiology 6, 524-533.
- Hoisington, L. B. An example of the fractionation of data from the method of constant stimuli for the two-point limen 23, 588-596.
- Hollands, E. H. Wundt's doctrine of psychical analysis and the psychical elements, and some recent criticism: I—The criteria of the elements and attributes 16, 499-518. II—Feeling and feeling-analysis 17, 206-226.

- Hollingworth, H. L. The psychology of drowsiness: an introspective and analytical study 22, 99-111. The influence of caffein alkaloid on the quality and amount of sleep 23, 89-100. Characteristic differences between recall and recognition 24, 532-544.
- Hopson, L., Howell, A., and Washburn, M. F. Accuracy of visual memory and speed of verbal perception in poor spellers 28, 157-158.
- Houston, H. E., and Washburn, W. W. On the naming of colors 18, 519-523. The effect of various kinds of artificial illumination upon colored surfaces 19, 536-540.
- Howe, H. C. "Mediate" association 6, 239-241.
- Howell, A., Hopson, L., and Washburn, M. F. Accuracy of visual memory and speed of verbal perception in poor spellers 28, 157-158.
- Huey, E. B. Preliminary experiments in the physiology and psychology of reading 9, 575-586. On the psychology and physiology of reading 11, 283-302. 12, 292-312. The international congress of psychology 20, 571-575.
- Hull, C. L. The formation and retention of associations among the insane 28, 419-435.
- Hunt, H. E. Observations on newly hatched chicks 9, 125-127.
- Hyslop, J. H. Binocular vision and the problem of knowledge 14, 306-323.
- Jacobi, M. P. The place for the study of language in a curriculum of education 2, 91-140.
- Jacobson, E. Consciousness under anaesthetics 22, 333-345. On meaning and understanding 22, 553-577. Further experiments on the inhibition of sensations 23, 345-369.
- James, W. Psychology at Harvard University 3, 278.
- Jastrow, J. The psycho-physic law and star magnitudes 1, 112-127. A critique of psycho-physic methods 1, 271-309. On the psychophysical series: A. Visual extension 3, 44-47. Psychology at the University of Wisconsin 3, 275-276. Note upon other researches 5, 248. The status of the subconscious 14, 343-353.
- Jastrow, J., and Brown, W. D. On the judgment of horizontal, vertical and oblique positions of lines 5, 220-223. The psychophysical series applied to lifted weights 5, 245-247.
- Jastrow, J., and Cairnes, W. B. The psychophysical series and the time-sense 4, 213-217. The interference of mental processes: A preliminary survey 4, 219-223.
- Jastrow, J., and Kronshage, T. Observations on the absence of the sense of smell 4, 407-411.
- Jastrow, J., and Lee, A. A. On just observable differences 3, 57-58. The psychophysical series and the motor sense 4, 217-219.
- Jastrow, J., and Moorehouse, G. W. A novel optical illusion 4, 201-208. Some anthropometric and psychologic tests on college students. A preliminary survey 4, 420-428. On the judgment of angles 5, 214-217. On the perception of simultaneous sense-impressions 5, 239-244.
- Jastrow, J., and Turner, J. H. On the judgment of the positions of lines 5, 217-220.
- Jastrow, J., and West, H. A study of Zöllner's figures and other related illusions 4, 381-398. A study of involuntary movements 4, 398-407.
- Jastrow, J., and Whitton, F. The perception of space by disparate senses 3, 49-54. The effect of foreknowledge upon repetition-times 4, 198-201. Accessory apparatus for accurate time-measurements 4, 208-213.
- Jastrow, J., Carter, T. P., and Sherry, E. P. A further study of involuntary movements 5, 223-231.
- Jastrow, J., Churchill, L. M., and Sercombe, W. Finding time 4, 415-420.
- Jastrow, J., Flesh, S. B., and Smith, H. On the pressure sense 3, 54-56.
- Jastrow, J., Hanks, L. M., and Kerr, J. B., On the psychophysical series: B. Tactual-motor extension 3, 47-49.

- Jastrow, J., Moorehouse, G. W., and Harper, M. Classification time 4, 411-415.
- Jastrow, J., Moorehouse, G. W., Bolton, E. C., and Johnson, E. T. Further studies of classification-times 5, 232-239.
- Jennings, H. S. The psychology of a protozoan 10, 503-515. Diverse ideals and divergent conclusions in the study of behavior in lower organisms 21, 349-370.
- Jewell, J. R. The psychology of dreams 16, 1-34.
- Johnson, I., and Tolman, E. C. A note on association-time and feeling 29, 187-195.
- Johnston, E. T., Moorehouse, G. W., Bolton, E. C., and Jastrow, J. Further studies of classification-times 5, 232-239.
- Jones, E. The Oedipus-complex as an explanation of Hamlet's mystery: a study in motive 21, 72-113. Freud's theory of dreams 21, 283-308. The psychopathology of everyday life 22, 477-527.
- Jung, C. G. The association method 21, 219-269.
- Kakise, H. A preliminary experimental study of the conscious concomitants of understanding 22, 14-64.
- Kallen, H. M. The aesthetic principle in comedy 22, 137-157.
- Kanda, S. Geotropism in animals 26, 417-427.
- Kempf, E. J., and Haggerty, M. E. Suppression and substitution as a factor in sex differences 24, 414-425.
- Kerr, J. B., Hanks, L. M., and Jastrow, J. On the psychophysics series: B. Tactual-motor extension 3, 47-49.
- Killen, B. The effects of closing the eyes upon the fluctuations of the attention 15, 512-514.
- Kincaid, M. An analysis of the psychometric function for the two-point limen with respect to the paradoxical error 29, 227-232.
- Kincaid, M., Cobb, M. E., and Washburn, M. F. Further tests of the verbal ability of poor spellers 29, 331-332.
- Kinnaman, A. J. A comparison of judgments for weights lifted with the hand and foot 12, 240-263. Mental life of two *Macacus rhesus* monkeys in captivity 13, 98-148, 171-218.
- Kirkpatrick, E. A. Observations on college seniors and electives in psychological subjects 3, 168-173.
- Kirschmann, A. Some effects of contrast 4, 542-557. Remark on the foregoing article [Fechner's paradoxon] 7, 23-25. Color-saturation and its quantitative relations 7, 386-404. The representation of tints and shades of colors by means of rotating discs 9, 346-350. Deception and reality 14, 288-305.
- Kline, L. W. The migratory impulse vs. love of home 10, 1-81. Methods in animal psychology 10, 256-279. Suggestions toward a laboratory course in comparative psychology 10, 399-430. The psychology of humor 18, 421-441.
- Knapp, P. C. The insanity of doubt 3, 1-23.
- Knox, H. W. On the quantitative determination of an optical illusion 6, 413-421.
- Kohs, S. C. The association method in its relation to the complex and complex indicators 25, 544-594.
- Krohn, W. O. Facilities in experimental psychology at the various German universities 4, 585-594. Pseudo-chromesthesia, or the association of colors with words, letters and sounds 5, 20-41. Laboratory of the Psychological Institute at the University of Göttingen 5, 282-284.
- Kronshage, T., and Jastrow, J. Observations on the absence of the sense of smell 4, 407-411.
- Krueger, F. Magical factors in the first development of human labor 24, 256-261.
- Kuelpe, O. Ein Beitrag zur experimentellen Aesthetik 14, 479-495.

- Kuhlmann, F.** Experimental studies in mental deficiency: Three cases of imbecility (Mongolian) and six cases of feeble-mindedness 15, 391-446. The place of mental imagery and memory among mental functions 16, 337-356. Recent studies of normal illusions of memory 16, 389-398. On the analysis of the memory consciousness for pictures of familiar objects 18, 389-420. On the analysis of auditory memory consciousness 20, 194-218.
- Ladd, G. T.** Psychology at Yale University 3, 279-280.
- Ladd-Franklin, C.** A method for the experimental determination of the horopter 1, 99-111. On some characteristics of symbolic logic 2, 543-567.
- Lay, W., Thorndike, E. L., and Dean, P. R.** The relation of accuracy in sensory discrimination to general intelligence 20, 364-369.
- Leach, H. M., and Washburn, M. F.** Some tests by the association reaction method of mental diagnosis 21, 162-167.
- Learoyd, M. W.** The "continued story" 7, 86-90.
- LeConte, J.** On a curious visual phenomenon 3, 364-366.
- Lee, A. A., and Jastrow, J.** On just observable differences 3, 57-58. The psychophysical series and the motor sense 4, 217-219.
- Lemon, J. S.** Psychic effects of the weather 6, 277-279.
- Le Rossignol, J. E.** The training of animals: A. Dogs 5, 204-213.
- Leuba, J. H.** A new instrument for Weber's law; with indications of a law of sense memory 5, 370-384. National destruction and construction in France as seen in modern literature and in the neo-Christian movement 5, 496-539. A study in the psychology of religious phenomena 7, 309-385. The psychophysiology of the moral imperative 8, 528-559. The state of death: an instance of internal adaptation 14, 397-409. On three types of behavior: the mechanical, the coercitive (magic) and the anthropopathic (including religion) 20, 107-119. An apparatus for the study of kinaesthetic space perception 20, 370-373. Ecstatic intoxication in religion 28, 578-584.
- Leuba, J. H., and Chamberlain, E.** The influence of the duration and of the rate of arm movements upon the judgment of their length 20, 374-385.
- Libby, M. F.** Influence of the idea of aesthetic proportion on the ethics of Shaftesbury 12, 458-491.
- Libby, O. G.** The bird lover as a scientist 13, 457-476.
- Libby, W.** The imagination of adolescents 19, 249-252.
- Liddell, H. S.** Eye-movement during fluctuation of attention 30, 241-252.
- Lindemann, J. A., Hoag, R., and Washburn, M. F.** A study of errors in the perception of movement on the skin 19, 245-247.
- Lindley, E. H.** A preliminary study of some of the motor phenomena of mental effort 7, 491-517. A study of puzzles with special references to the psychology of mental adaptation 8, 431-493.
- Litchfield, M., Baum, H., and Washburn, M. F.** The results of certain standard mental tests as related to the academic records of college seniors 30, 307-310.
- Loewenberg, J.** The James-Lange theory in Lessing 28, 301.
- Lombard, W. P.** The variations of the normal knee-jerk, and their relation to the activity of the central nervous system 1, 5-71. The effect of fatigue on voluntary muscular contractions 3, 24-42.
- Luce, A., and Boring, E. G.** The psychological basis of appetite 28, 443-453.
- Luckey, G. W. A.** Comparative observations on the indirect color range of children, adults, and adults trained in color 6, 489-504.
- Luckiesh, M.** A note on color preference 27, 251-255. On "retiring" and "advancing" colors 29, 182-186.
- Lyon, D. O.** A rapid and accurate method of scoring nonsense syllables and words 24, 525-531.
- MacDougall, R.** Rhythm, time and number 13, 88-97. Minor investigations in sense perception: I. On determinations of the subjective horizon by motor

- co-ordination 13, 477-487. Facial vision: a supplementary report, with criticisms 15, 383-390. The significance of the human hand in the evolution of mind 16, 232-242. The distribution of consciousness and its criteria 25, 471-499.
- Major, D. R. On the affective tone of simple sense-impressions 7, 57-77. Cutaneous perception of form 10, 143-147.
- Manro, H. M., and Washburn, M. F. The effect of imperceptible lines on the judgment of distance 19, 242.
- Marshall, H. R. Note [on the estimation of verticals and angles] 5, 419-420.
- Martin, E. G., Paul, B. D., and Welles, E. S. A comparison of reflex thresholds with sensory thresholds—the relation of this comparison to the problem of attention 26, 428-437.
- Martin, L. J. Psychology of aesthetics I. Experimental prospecting in the field of the comic 16, 35-118. The electrical supply in the new psychological laboratory at the Leland Stanford, Jr., University 17, 274-279. The electrical supply, and certain new additions to the laboratory equipment, in the Stanford University psychological laboratory 24, 33-34. Ghosts and the projection of visual images 26, 251-257.
- Mason, O. T. Hypnotism among the Eskimo 1, 553.
- May, S., White, S. D., and Washburn, M. F. A study of freshmen 28, 151-155.
- McClure, M. F. A 'color illusion' 12, 178-184.
- McCrea, and Pritchard, H. J. The validity of the psychophysical law for the estimation of surface magnitudes 8, 494-505.
- McMein, M., and Washburn, M. F. The effect of mental type on the interference of motor habits 20, 282-284.
- Meads, L. G. Form *vs.* intensity as a determinant of attention 26, 150-151.
- Mayer, A. An attempt at analysis of the neurotic constitution 14, 354-367. The dynamic interpretation of dementia praecox 21, 385-403.
- Mayer, M. Remarks on C. Lloyd Morgan's paper "Relation of stimulus to sensation" 11, 530-533. Experimental studies in the psychology of music 14, 456-478. Auditory sensation in an elementary laboratory course 16, 293-301. The significance of wave-form for our comprehension of audition 18, 170-176. The comparative value of various conceptions of nervous function based on mechanical analogies 24, 555-563.
- Michaud, R. Emerson's transcendentalism 30, 73-82.
- Michigan, University of, Psychological Laboratory, Studies from,
- I. Slaughter, J. W. The fluctuations of the attention in some of their psychological relations 12, 313-334.
 - II. Taylor, R. W. The effect of certain stimuli upon the attention wave 12, 335-345.
 - III. Pillsbury, W. B. Does the sensation of movement originate in the joint? 12, 346-353.
 - V. Stevens, H. C. The relation of the fluctuations of judgments in the estimation of time intervals to vaso-motor waves 13, 1-27.
 - VII. Galloway, C. E. The effect of stimuli upon the length of Traube-Hering waves 15, 499-512.
 - VIII. Killen, B. The effects of closing the eyes upon the fluctuations of the attention 15, 512-514.
 - IX. Barnes, B. Eye-movements 16, 199-207.
- Miles, C. A study of individual psychology 6, 534-558.
- Mitchell, F. D. Mathematical prodigies 18, 61-143.
- Modell, J. D., and Rich, G. J. A preliminary study of vowel qualities 26, 453-456.
- Monroe, W. S. A study of taste dreams 10, 326-327.
- Montague, M., Reynolds, M. M., and Washburn, M. F. A further study of freshmen 29, 327-330.
- Montague, W. P. A theory of time-perception 15, 1-13.
- Montgomery, E. Anent psychophysical parallelism 16, 184-189.

- Moore, C. B. Notes on the presidents of the American Psychological Association 29, 347-349.
- Moore, H. T. A method of testing the strength of instincts 27, 227-233. Laboratory tests of anger, fear and sex interest 28, 390-395.
- Moore, J. S. The articulation of the concepts of normal and abnormal psychology 25, 283-287.
- Moore, V. F. The psychology of Hobbes and its sources 11, 49-66.
- Moorehouse, G. W., and Jastrow, J. A novel optical illusion 4, 201-208. On the judgment of angles 5, 214-217. On the perception of simultaneous sense-impressions 5, 239-244. Some anthropometric and psychologic tests on college students—A preliminary survey 4, 420-428.
- Moorehouse, G. W., Harper, M., and Jastrow, J. Classification time 4, 411-415.
- Moorehouse, G. W., Bolton, E. C., Johnston, E. T., and Jastrow, J. Further studies of classification-times 5, 232-239.
- Morgan, E., Mull, H. K., and Washburn, M. F. An attempt to test moods or temperaments of cheerfulness and depression by directed recall of emotionally toned experiences 30, 302-304.
- Morgan, J. J. B. The effect of sound distraction upon memory 28, 191-208.
- Morgan, J. J. B., and Watson, J. B. Emotional reactions and psychological experimentation 28, 163-174.
- Motora, Y. A study on the conductivity of the nervous system 14, 593-614.
- Mould, M., Treadwell, L., and Washburn, M. F. The influence of suppressing articulation on the favorable effect of distributing repetitions 26, 286-288.
- Moyer, F. E. A study of certain methods of distracting the attention I. Addition and cognate exercises: discrimination of odors 8, 405-413.
- Muckenhoupt, L., and Bell, A. A comparison of methods for the determination of ideational type 17, 121-126.
- Mulford, H. J. The human mind: a suggestion as to the constitution of normal, subnormal and supernormal mind 29, 272-290. What is "the unconscious?" 30, 253-259.
- Mulhall, E. F. Experimental studies in recall and recognition 26, 217-228.
- Mull, H. K., Morgan, E., and Washburn, M. F. An attempt to test moods or temperaments of cheerfulness and depression by directed recall of emotionally toned experiences 30, 302-304.
- Munsell, A. H. A pigment color system and notation 23, 236-244.
- Murphy, G. An experimental study of literary vs. scientific types 28, 238-262.
- Murray, E. Peripheral and central factors in memory images of visual form and color 17, 227-247. A qualitative analysis of tickling: its relation to cutaneous and organic sensation 19, 289-344. Organic sensation 20, 386-446.
- Myers, C. E., and Myers, G. C. Reconstructive recall 27, 493-506.
- Myers, G. C. Grasping, reaching and handling 26, 525-539. Some variabilities and correlations in learning 29, 316-326.
- Myers, G. C., and Myers, C. E. Reconstructive recall 27, 493-506.
- Nakashima, T. Contributions to the study of the affective processes 20, 157-193.
- Nelson, J. A study of dreams 1, 367-401.
- Nichols, H. The psychology of time: I. Historical 3, 453-529. Experiments at Clark University 4, 60-112.
- Nolan, W. J., and Chapman, J. C. Initial spurt in a simple mental function 27, 256-260.
- Norris, E. L., Twiss, A. G., and Washburn, M. F. An effect of fatigue on judgments of the affective value of colors 22, 112-114.
- Noyes, W. Paranoia. A study of the evolution of systematized delusions of grandeur 1, 460-478. A counting-attachment for the pendulum-chronoscope 3, 367-370. On certain peculiarities of the knee-jerk in sleep in a case of terminal dementia 4, 343-361.

- Ogden, R. M. A method of mapping retinal circulation by projection 12, 281-291.
- Ohr, L. T., Bell, J. C., and Hatch, G. E. The effect of suggestion upon the reproduction of triangles and of point distances 19, 504-518.
- Okabe, T. An experimental study of belief 21, 563-596.
- Ordahl, L. E. Children's capacity for abstract thought as shown by their use of language in the definition of abstract terms 19, 253-260. Consciousness in relation to learning 22, 158-213.
- Otis, M. Aesthetic unity: an investigation into the conditions that favor the apperception of a manifold as a unit 29, 291-315.
- Parrish, C. S. The cutaneous estimation of open and filled space 6, 514-523. Localisation of cutaneous impressions by arm movement without pressure upon the skin 8, 250-267.
- Partridge, G. E. Experiments upon the control of the reflex wink 11, 244-250. Studies in the psychology of alcohol 11, 318-376.
- Patrick, G. T. W. A further study of Heraclitus 1, 557-690. The psychology of football 14, 368-381.
- Paul, B. D., Martin, E. G., and Welles, E. S. A comparison of reflex thresholds with sensory thresholds—the relation of this comparison to the problem of attention 26, 428-437.
- Pepper, S. C. What is introspection? 29, 208-213.
- Perky, C. W. An experimental study of imagination 21, 422-452.
- Peterson, F. Extracts from the autobiography of a paranoiac 2, 193-224.
- Peterson, J. Some striking illusions of movement of a single light on mountains 28, 476-485.
- Pfister, O. Psychoanalysis and the study of children and youth 26, 130-141.
- Phelps, A. S. The mental duet 29, 449-450.
- Phillips, D. E. Genesis of number-forms 8, 506-527.
- Phinney, E. D., Weed, S. C., and Hallam, F. M. A study of the dream-consciousness 7, 405-411.
- Pierce, A. H. Gustatory audition: a hitherto undescribed variety of synaesthesia 18, 341-352.
- Pierce, A. H., and Angell, J. R. Experimental research upon the phenomena of attention 4, 528-541.
- Pillsbury, W. B. Some questions of the cutaneous sensibility 7, 42-57. The projection of the retinal image 9, 56-60. A study in apperception 8, 315-393. Does the sensation of movement originate in the joint 12, 346-353. Attention waves as a means of measuring fatigue 14, 541-552. 15, 312.
- Pitkin, C. E., Foster, E., and Gamble, E. A. McC. Attention and thoracic breathing 16, 261-292.
- Poffenberger, A. T. The effects of strychnine on mental and motor efficiency 25, 82-120.
- Porter, J. P. A preliminary study of the psychology of the English sparrow 15, 313-346. Further study of the English sparrow and other birds 17, 248-271. The habits, instincts, and mental powers of spiders, genera *Argiope* and *Epeira* 17, 306-357. Report of the recent meeting of the American Psychological Association 18, 156-160. Intelligence and imitation in birds; a criterion of imitation 21, 1-71.
- Potter, H. M., Tuttle, R., and Washburn, M. F. The speed of affective judgments 25, 288-290.
- Powelson, I., and Washburn, M. F. The effect of verbal suggestions on judgments of the affective value of colors 24, 267-269.
- Preyer, W. On certain optical phenomena 9, 42-44.
- Prince, W. F. Psychological tests for the authorship of the Book of Mormon 28, 373-389. A footnote: "Authorship of the Book of Mormon" 30, 427-428.
- Pritchard, H. J., and McCrea, J. The validity of the psychophysical law for the estimation of surface magnitudes 8, 494-505.

- Pyle, W. H. An experimental study of expectation 20, 530-569.
- Quackenbush, N., Clark, H., and Washburn, M. F. A suggested coefficient of affective sensitiveness 24, 583-585.
- Quantz, J. O. The influence of the color of surfaces on our estimation of their magnitude 7, 26-41. Dendro-psychoses 9, 449-506.
- Rand, G., and Ferree, C. E. A note on the determination of the retina's sensitivity to colored light in terms of radiometric units 23, 328-332. A simple daylight photometer 27, 335-340. The speed of adjustment of the eye for clear seeing at different distances: a study of ocular functions with special references to aviation 30, 40-61.
- Reigart, J. F., and Sanford, E. C. On reaction-times when the stimulus is applied to the reacting hand 5, 351-355.
- Reynolds, M. M., Montague, M., and Washburn, M. F. A further study of freshmen 29, 327-330.
- Rich, G. J. On the variation with temperature of the pitch of whistles and variators 26, 444-449. A checking table for the method of constant stimuli 29, 120-121, 232. A study of tonal attributes 30, 121-164. The daylight mazda lamp in the psychological laboratory 30, 313-315.
- Rich, G. J., and Modell, J. D. A preliminary study of vowel qualities 26, 453-456.
- Richmond, H. A. An improved method of using the telegraphic reaction key 28, 471-475.
- Roback, A. A. The Freudian doctrine of lapses and its failings 30, 274-290.
- Robbins, H., Smith, D., and Washburn, M. F. The influence of fatigue on affective sensitiveness to colors 26, 291-292.
- Robinson, T. R. Experiments on Fechner's paradoxon 7, 9-23. Light intensity and depth perception 7, 518-532.
- Roblee, L., and Washburn, M. F. The affective values of articulate sounds 23, 579-583.
- Roose, K., and Foster, W. S. The tridimensional theory of feeling from the standpoint of typical experiences 27, 157-170.
- Roethlein, B. E. The relative legibility of different faces of printing types 23, 1-36.
- Rogers, A. S. An analytic study of visual perceptions 28, 519-577.
- Rood, E. A., Bacon, M. M., and Washburn, M. F. A study of affective contrast 25, 290-293.
- Root, W. T., Jr., and Angell, F. Size and distance of projection of an after-image on the field of the closed eyes 24, 262-266.
- Rose, K. B. Some statistics on synaesthesia 20, 447.
- Rowe, E. C. Voluntary movement 21, 513-562.
- Rowe, L., and Washburn, M. F. The motor memory of the left hand 19, 243.
- Ruckmich, C. A. The history and status of psychology in the United States 23, 517-531. The use of the term 'function' in English textbooks of psychology 24, 99-123. The rôle of kinaesthesia in the perception of rhythm 24, 305-359. A bibliography of *rhythm* 24, 508-519. A bibliography of *rhythm* (Supplementary list) 26, 457-459. New laboratory equipment 27, 530-549. A bibliography of *rhythm* (Second supplementary list) 29, 214-218.
- Ruckmich, C. A., Bentley, [I.] M., and Boring, E. G. New apparatus for acoustical experiments 23, 509-516.
- Ruediger, W. C. The period of mental reconstruction 18, 353-370.
- Ruml, L. T., see Treadwell, L.
- Sabine, G. H., and Bentley, [I.] M. A study in tonal analysis—I. 16, 484-498.
- Safford, F. H. Precision of measurements applied to psychometric functions 22, 94-98.

- Sanders, W. H., Bergström, J. A., and Harrington, F. A. Effect of changes in the time variables in memorizing, together with some discussion of the technique of memory experimentation 18, 206-238.
- Sanford, E. C. The relative legibility of the small letters 1, 402-435. Personal equation 2, 3-38. II. Variations in the amount of personal equation 2, 271-298. III. The nature and cause of personal equation 2, 403-430. A simple and inexpensive chronoscope 3, 174-181. Psychology at Clark University 3, 284-285. A laboratory course in physiological psychology 4, 141-155, 303-322, 474-490. 5, 390-415. 6, 593-616. 7, 412-424. A new pendulum chronograph 5, 384-389. Some practical suggestions on the equipment of a psychological laboratory 5, 429-438. Notes on new apparatus 6, 575-584. Note [Experiments on association] 7, 573. The vernier chronoscope 9, 191-197. Improvements in the vernier chronoscope 12, 590-594. Mental growth and decay 13, 426-449. On the guessing of numbers 14, 647-665. The function of the several senses in the mental life 23, 59-74. Psychic research in the animal field; der kluge Hans and the Elberfeld horses 25, 1-31.
- Sanford, E. C., and Reigart, J. F. On reaction-times when the stimulus is applied to the reacting hand 5, 351-355.
- Sanford, E. C., and Stevenson, T. J. A preliminary report of experiments on time relations in binocular vision 19, 130-137.
- Sanford, E. C., and Triplett, N. Studies of rhythm and meter 12, 361-387.
- Saunders, F. H., and Hall, G. S. Pity 11, 534-591.
- Schallenberger, M. Professor Baldwin's method of studying the color-perception of children 8, 560-576. Note [Reply to Professor Baldwin] 9, 62.
- Schaub, A. de V. On the intensity of images 22, 346-368.
- Schaub, A. de V., and Washburn, M. F. A study of retinal rivalry in the after-image 20, 131-135.
- Schinz, A. The renewal of French thought on the eve of the war 27, 297-314. French origins of American transcendentalism 29, 50-65. Intellectualism versus intuitionism in French philosophy since the war 29, 393-399.
- Schoen, M. Prolonged infancy, its causes and its significance: some notes on Mr. Fiske's theory 29, 196-203.
- Schroeder, T. "Authorship of the Book of Mormon" [Prince, Walter F., 28, 373-389] 30, 66-72. The psychologic aspect of free-association 30, 260-273.
- Scott, C. A. Sex and art 7, 153-226. Old age and death 8, 67-122.
- Scripture, E. W. Arithmetical prodigies 4, 1-59. Psychological notes: The method of regular variation; On the least perceptible variation of pitch; On the faintest perceptible sound; Notation for intensity; A constant blast for acoustical purposes; Some psychological terms. 4, 577-584. Accurate work in psychology 6, 427-430. Some psychological illustrations of the theorems of Bernoulli and Poisson 6, 431-432.
- Scripture, E. W., and Titchener, E. B. Some apparatus for cutaneous stimulation 6, 424-426.
- Searle, H. E., and Alvord, E. A. A study in the comparison of time intervals 18, 177-182.
- Sears, C. H. A contribution to the psychology of rhythm 13, 28-61.
- Secor, W. B. Visual reading: a study in mental imagery 11, 225-236.
- Segsworth, A. E. On the difference sensibility for the valuation of space distances with the help of arm movements 6, 369-407.
- Sercombe, W., Churchill, L. M., and Jastrow, J. Finding-time 4, 415-420.
- Severance, E., and Washburn, M. F. The loss of associative power in words after long fixation 18, 182-186.
- Sharp, F. C. An objective study of some moral judgments 9, 198-234.
- Sharp, S. E. Individual psychology: a study in psychological method 10, 329-391.
- Shaw, A. M., Stroh, M., and Washburn, M. F., A study in guessing 19, 243-245.

- Shearer, L. C., and Carnes, M. Mechanical vs. manual stimulation in the determination of the two-point limen 27, 417-419.
- Sheldon, H. D. The institutional activities of American children 9, 425-448.
- Shepard, J. F. Organic changes and feeling 17, 522-584.
- Shepherd, W. T. The discrimination of articulate sounds by raccoons 22, 116-119. Imitation in raccoons 22, 583-585. The discrimination of articulate sounds by cats 23, 461-463. Tests on adaptive intelligence in dogs and cats, as compared with adaptive intelligence in Rhesus monkeys 26, 211-216. On sound discrimination in dogs 30, 291-294.
- Sherry, E. P., Carter, T. P., and Jastrow, J. A further study of involuntary movements 5, 223-231.
- Shipe, M. M., and Ellis, A. C. A study of the accuracy of the present methods of testing fatigue 14, 496-509.
- Slaughter, J. W. Disturbances of apperception in insanity 11, 303-311. The fluctuations of the attention in some of their psychological relations 12, 313-334. The moon in childhood and folklore 13, 294-318. A preliminary study of the behavior of mental images 13, 526-549.
- Small, W. S. Notes on the psychic development of the young white rat 11, 80-100. An experimental study on the mental processes of the rat: I, 11, 133-165. II, 12, 206-239.
- Smith, D., Robbins, H., and Washburn, M. F. The influence of fatigue on affective sensitiveness to colors 26, 291-292.
- Smith, H., Flesh, S. B., and Jastrow, J. On the pressure sense 3, 54-56.
- Smith, H. B. Aristotle's other logic 29, 431-434.
- Smith, J. S. Visual quality as a determinant of clearness 26, 449-453.
- Smith, M. K. On the reading and memorizing of meaningless syllables presented at regular time intervals 18, 504-413.
- Smith, P. Luther's early development in the light of psycho-analysis 24, 360-377.
- Smith, T. L. On muscular memory 7, 453-490. The psychology of day dreams 15, 465-488. 16, 144. The annual meeting of the American Psychological Association 17, 144-148. Paramnesia in daily life 24, 52-65. Note on the psychology of shame 26, 229-236.
- Smith, T. L., and Hall, G. S. Reactions to light and darkness 14, 21-83.
- Southard, E. E. Psychopathology and neuropathology: the problems of teaching and research contrasted 23, 230-235.
- Spearman, C. The proof and measurement of association between two things 15, 72-101. "General intelligence" objectively determined and measured 15, 201-293. Proof and disproof of correlation 16, 228-231; 408. Demonstration of formulae for true measurements of correlation 18, 161-169.
- Spiller, G. The problem of the emotions 15, 569-580.
- Squire, C. R. A genetic study of rhythm 12, 492-589.
- Stanford University Psychological Laboratory, Minor Studies from, Tucker, M. A. Comparative observations on the involuntary movements of adults and children 8, 394-404.
- Stanley, H. M. Remarks on tickling and laughing 9, 235-240. Rational fear of thunder and lightning 9, 418-419.
- Starbuck, E. D. A study of conversion 8, 268-308. Contributions to the psychology of religion: II—Some aspects of religious growth 9, 70-124.
- Starr, F. Note on color-hearing 5, 416-418.
- Stern, W. Abstracts of lectures on the psychology of testimony and on the study of individuality 21, 270-282.
- Stevens, H. C. The relation of the fluctuations of judgments in the estimation of time intervals to vaso-motor waves 13, 1-27. The plethysmographic evidence for the tri-dimensional theory of feeling 14, 13-20. A simple complication pendulum for qualitative work 15, 581. A plethysmographic study of attention 16, 409-483.

- Stevenson, T. J., and Sanford, E. C. A preliminary report of experiments on time relations in binocular vision 19, 130-137.
- Stewart, C. C. Zöllner's anorthoscopic illusion 11, 240-243.
- Straus, H. H., and Uhlmann, R. F. Adaptation of superficial pain 30, 422-424.
- Stroh, M., Shaw, A. M., and Washburn, M. F. A study in guessing 19, 243-245.
- Strong, C. A. A sketch of the history of psychology among the Greeks 4, 177-197.
- Strong, E. K., Jr. A comparison between experimental data and clinical results in manic-depressive insanity 24, 66-98.
- Strong, E. K., Jr., and Strong, M. H. The nature of recognition memory and of the localization of recognitions 27, 341-362.
- Strong, M. H., and Strong, E. K., Jr. The nature of recognition memory and of the localization of recognitions 27, 341-362.
- Swift, E. J. Disturbance of the attention during simple mental processes 5, 1-19. Sensibility to pain 11, 312-317. Visual and tactuo-muscular estimation of length 11, 527-529. Studies in the psychology and physiology of learning 14, 201-251. Memory of a complex skillful act 16, 131-133.
- Swift, W. B. Some developmental psychology in lower animals and in man and its contribution to certain theories of adult mental tests 27, 71-86.
- Swindle, P. F. On the inheritance of rhythm 24, 180-203. Positive after-images of long duration 27, 324-334. Visual, cutaneous, and kinaesthetic ghosts 28, 349-373. The biological significance of the eye appendages of organisms 28, 486-496. The term "reaction time" redefined 28, 508-518. Some forms of natural training to which certain birds are subjected 30, 165-172. Analysis of nesting activities 30, 173-186. The peristaltic-like nature of organic responses 30, 187-210.
- Talbot, E. B. An attempt to train the visual memory 8, 414-417.
- Talbot, E. B., and Darlington, L. A study of certain methods of distracting the attention: III—Distraction by musical sounds; the effect of pitch upon attention 9, 332-345.
- Tanner, A. E. Spinoza and modern psychology 18, 514-518. Certain social aspects of invention 26, 388-416.
- Taylor, A. H., and Washburn, M. F. The sources of the affective reaction to fallacies 21, 157-161.
- Taylor, G. H. Clinical notes on the emotions and their relation to the mind 24, 520-524.
- Taylor, R. W. The effect of certain stimuli upon the attention wave 12, 335-345.
- Terman, L. M. A study in precocity and prematuration 16, 145-183. The intelligence quotient of Francis Galton in childhood 28, 209-215.
- Thorndike, E. L. The effect of practice in the case of a purely intellectual function 19, 374-384. Practice in the case of addition 21, 483-488. The relation between memory for words and memory for numbers, and the relation between memory over short and memory over long intervals 21, 487-488. The form of the curve of practice in the case of addition 26, 247-250. Notes on practice, improvability, and the curve of work 27, 550-565.
- Thorndike, E. L., and Donovan, M. E. Improvement in a practice experiment under school conditions 24, 426-428.
- Thorndike, E. L., Lay, W., and Dean, P. R. The relation of accuracy in sensory discrimination to general intelligence 20, 364-369.
- Titchener, E. B. Taste dreams 6, 505-509. A psychophysical vocabulary 7, 78-85. Errata in the translation of Kuelpe's Psychology 7, 305-306. The English of the psychophysical measurement methods 9, 327-331. The equipment of a psychological laboratory 11, 251-265. Fluctuation of the attention to musical tones 12, 595. A plea for summaries and indexes 14, 84-87. Class experiments and demonstration apparatus 14, 439-455. Some new apparatus 15, 57-61. The problems of experimental psychology 16, 208-224. The method of impression and some recent criticism 19, 138-141. The tridimensional theory of feeling 19, 213-231. The

- psychophysics of climate 20, 1-14. A demonstrational color-pyramid 20, 15-20. A demonstrational stereoscope 20, 279. The past decade in experimental psychology 21, 404-421. A note of consciousness of self 22, 540-552. The psychology of the new *Britannica* 23, 37-58. Description vs. statement of meaning 23, 165-182. Prolegomena to a study of introspection 23, 427-448. The schema of introspection 23, 485-508. Professor Martin on the Perky experiments 24, 124-131; 579. The method of examination 24, 429-440. Laboratory notes: the Indian harmonium; a Thayer tiger; the Holmgren worsteds; the Hering grey papers; the Hering indirect-vision color-mixer; the Hering color-blindness apparatus; demonstrations of color-blind vision; a demonstration of "tied images" 25, 296-300. A note on *sensation* and *sentiment* 25, 301-307. An historical note on the James-Lange theory of emotion 25, 427-447. Sensation and system 26, 258-267. A note on the compensation of odors 27, 435-436. Professor Stumpf's affective psychology 28, 263-277. An anomalous case of simple reaction 30, 62-65.
- Titchener, E. B., and Bentley, [I.] M. Ebbinghaus' explanation of beats 25, 62-71.
- Titchener, E. B., and Bolger, E. M. Some experiments on the associative power of smells 18, 326-327.
- Titchener, E. B., and Foster, W. S. A list of the writings of James Ward 23, 457-460. A bibliography of the scientific writings of Wilhelm Wundt: Fourth supplementary list 23, 352. Fifth supplementary list 24, 586. Sixth supplementary list 25, 599.
- Titchener, E. B. and Geissler, L. R. A bibliography of the scientific writings of Wilhelm Wundt 19, 541-556. First supplementary list 20, 570. Second supplementary list 21, 603-604. Third supplementary list 22, 586-587.
- Titchener, E. B., and Scripture, E. W. Some apparatus for cutaneous stimulation 6, 424-426.
- Titchener, E. B., and Whipple, G. M. Tuning-forks for tests of pitch-discrimination 20, 279-281.
- Todd, A. J. Primitive notions of the "self" 27, 171-202.
- Tolman, E. C., and Johnson, I. A note on association-time and feeling 29, 187-195.
- Town, C. H. The kinaesthetic element in endophasia and auditory hallucination 17, 127-133. The negative aspect of hallucinations 17, 134-136.
- Trace, G. M. A new tapping instrument for laboratory use 30, 425-426.
- Tracy, F. The language of childhood 6, 107-138.
- Treadwell, L., Mould, M., and Washburn, M. F. The influence of suppressing articulation on the favorable effect of distributing repetitions 26, 286-288.
- Trettien, A. W. Creeping and walking 12, 1-57.
- Triplett, N. The dynamogenic factors in pacemaking and competition 9, 507-533. The psychology of conjuring deceptions 11, 439-510. 12, 144. The educability of the perch 12, 354-360. A contribution to individual psychology 13, 149-160.
- Triplett, N., and Sanford, E. C. Studies of rhythm and meter 12, 361-387.
- Troland, L. T. Adaptation and the chemical theory of sensory response 25, 500-527. Preliminary note: the influence of changes of illumination upon after-images 28, 497-503.
- Tsanoff, R. A. On the psychology of poetic construction: An experimental method 25, 528-537.
- Tucker, M. A. Comparative observations on the involuntary movements of adults and children 8, 394-404.
- Turner, J. H., and Jastrow, J. On the judgment of the positions of lines 5, 217-220.
- Tuttle, R., Potter, H. M., and Washburn, M. F. The speed of affective judgments 25, 288-290.
- Twiss, A. G., Norris, E. L., and Washburn, M. F. An effect of fatigue on judgments of the affective value of colors 22, 112-114.

Uhlmann, R. F., and Straus, H. H. Adaptation of superficial pain 30, 422-424.
 Urban, F. M. On systematic errors in time estimation 18, 187-193. A reply to Professor Safford [22, 94-98] 22, 298-303. A remark on the legibility of printed types 23, 454-456. Professor Dodge's recent discussion of mental work 24, 270-274.

Vassar College Psychological Laboratory, Studies from,

- I. Heywood, A., and Vortriede, H. A. Some experiments on the associative power of smells 16, 537-541.
- II. Bell, A., and Muckenhoupt, L. A comparison of methods for the determination of ideational type 17, 121-126.
- III. Alford, E. A., and Searle, H. E. A study in the comparison of time intervals 18, 177-182.
- IV. Severance, E., and Washburn, M. F. The loss of associative power in words after long fixation 18, 182-186.
- V. Manro, H. M., and Washburn, M. F. The effect of imperceptible lines on the judgment of distance 19, 242.
- VI. Rowe, L., and Washburn, M. F. The motor memory of the left hand 19, 243.
- VII. Stroh, M., Shaw, A. M., and Washburn, M. F. A study in guessing 19, 243-245.
- VIII. Hoag, R., Lindemann, J. A., and Washburn, M. F. A study of errors in the perception of movement on the skin 19, 245-247.
- IX. Hicks, J., and Washburn, M. F. A suggestion towards a study of the perception of sound movement 19, 247-248.
- X. de Vries, A., and Washburn, M. F. A study of retinal rivalry in the after-image 20, 131-135.
- XI. McMein, M., and Washburn, M. F. The effects of mental type on the interference of motor habits 20, 282-284.
- XII. Taylor, A. H., and Washburn, M. F. The sources of the affective reaction to fallacies 21, 157-161.
- XIII. Leach, H. M., and Washburn, M. F. Some tests by the association reaction method of mental diagnosis 21, 162-167.
- XIV. Norris, E. L., Twiss, A. G., and Washburn, M. F. An effect of fatigue on judgments of the affective value of colors 22, 112-114.
- XV. Washburn, M. F. A note on the affective value of colors 22, 114-115.
- XVI. Clark, D., Goodell, M. S., and Washburn, M. F. The effect of area on the pleasantness of colors 22, 578-579.
- XVII. Crawford, D., and Washburn, M. F. Fluctuations in the affective value of colors during fixation for one minute 22, 579-582.
- XVIII. Atherton, M. V., and Washburn, M. F. Mediate associations studied by the method of inhibiting associations: an instance of the effect of "Aufgabe" 23, 101-109.
- XIX. Chapin, M. W., and Washburn, M. F. A study of the images representing the concept "meaning" 23, 109-114.
- XX. Roblee, L., and Washburn, M. F. The affective values of articulate sounds 23, 579-583.
- XXI. Powelson, I., and Washburn, M. F. The effect of verbal suggestion on judgments of the affective value of colors 24, 267-269.
- XXII. Browning, M., Brown, D. E., and Washburn, M. F. The effect of the interval between repetitions on the speed of learning a series of movements 24, 580-583.
- XXIII. Clark, H., Quackenbush, N., and Washburn, M. F. A suggested coefficient of affective sensitiveness 24, 583-585.

- XXIV. *Potter, H. M., Tuttle, R., and Washburn, M. F.* The speed of affective judgments 25, 288-290.
- XXV. *Bacon, M. M., Rood, E. A., and Washburn, M. F.* A study of affective contrast 25, 290-293.
- XXVI. *Adler, H., Williams, M., and Washburn, M. F.* The correlation between accuracy of the visual memory after-image and control of visual imagery 25, 293-295.
- XXVII. *Mould, M., Treadwell, L., and Washburn, M. F.* The influence of suppressing articulation on the favorable effect of distributing repetitions 26, 286-288.
- XXVIII. *Babbitt, M., Woods, M., and Washburn, M. F.* Affective sensitiveness to colors, tone intervals, and articulate sounds 26, 289-291.
- XXIX. *Robbins, H., Smith, D., and Washburn, M. F.* The influence of fatigue on affective sensitiveness to colors 26, 291-292.
- XXX. *Garver, L. N., Gleason, J. M., and Washburn, M. F.* The source of affective reactions to articulate sounds 26, 292-295.
- XXXI. *White, S. D., May, S., and Washburn, M. F.* A study of freshmen 28, 151-155.
- XXXII. *Baxter, M. F., Yamada, K., and Washburn, M. F.* Directed recall of pleasant and unpleasant experiences 28, 155-157.
- XXXIII. *Howell, A., Hopson, L., and Washburn, M. F.* Accuracy of visual memory and speed of verbal perception in poor spellers 28, 157-158.
- XXXIV. *Montague, M., Reynolds, M. M., and Washburn, M. F.* A further study of freshmen 29, 327-330.
- XXXV. *Cobb, M. E., Kincaid, M., and Washburn, M. F.* Further tests of the verbal ability of poor spellers 29, 331-332.
- XXXVI. *Cattell, J., Glascock, J., and Washburn, M. F.* Experiments on a possible test of aesthetic judgment of pictures 29, 333-336.
- XXXVII. *Graves, K. B., Heath, E., and Washburn, M. F.* Directed egocentric reactions 30, 300-302.
- XXXVIII. *Morgan, E., Mull, H. K., and Washburn, M. F.* An attempt to test moods or temperaments of cheerfulness and depression by directed recall of emotionally toned experiences 30, 302-304.
- XXXIX. *Walker, M. A., and Washburn, M. F.* The Healy-Fernald picture completion test as a test of the perception of the comic 30, 304-307.
- XL. *Baum, H., Litchfield, M., and Washburn, M. F.* The results of certain standard mental tests as related to the academic records of college seniors 30, 307-310.
- Vincent, —. Confessions of an agoraphobic victim 30, 295-299.
- Vortriede, H. A., and Heywood, A. Some experiments on the associative power of smells 16, 537-541.
- Waddle, C. W. Miracles of healing 20, 219-268.
- Wallis, W. D. Is introspection individual or social, within or without? 27, 572-573. Ethical aspects of Chilkat culture 29, 66-80.
- Walker, M. A., and Washburn, M. F. The Healy-Fernald picture completion test as a test of the perception of the comic 30, 304-307.
- Warne, C. J., and Bassett, M. F. On the lapse of verbal meaning with repetition 30, 415-418.
- Washburn, M. F. Some apparatus for cutaneous stimulation 6, 422-424. The genetic function of movement and organic sensations for social consciousness 14, 337-342. An instance of the effect of verbal suggestion on tactual space perception 20, 447-448. A note on the affective values of colors 22, 114-115. A note on the Terman superior adult tests, as applied to Vassar freshmen 30, 310.

- Washburn, M. F., and Atherton, M. V. Mediate associations studied by the method of inhibiting association: an instance of the effect of "Aufgabe" 23, 101-109.
- Washburn, M. F., and Chapin, M. W. A study of the images representing the concept "meaning" 23, 109-114.
- Washburn, M. F., and Crawford, D. Fluctuations in the affective value of color during fixation for one minute 22, 579-582.
- Washburn, M. F., and De Vries, A. A study of retinal rivalry in the after-image 20, 131-135.
- Washburn, M. F., and Hicks, J. A suggestion towards a study of the perception of sound movement 19, 247-248.
- Washburn, M. F., and Leach, H. M. Some tests by the association reaction method of mental diagnosis 21, 162-167.
- Washburn, M. F., and Manro, H. M. The effect of imperceptible lines on the judgment of distance 19, 242.
- Washburn, M. F., and McMein, M. The effect of mental type on the interference of motor habits 20, 282-284.
- Washburn, M. F., and Powelson, I. The effect of verbal suggestions on judgments of the affective value of colors 24, 267-269.
- Washburn, M. F., and Roblee, L. The affective values of articulate sounds 23, 579-583.
- Washburn, M. F., and Rowe, L. The motor memory of the left hand 19, 243.
- Washburn, M. F., and Severance, E. The loss of associative power in words after long fixation 18, 182-186.
- Washburn, M. F., and Taylor, A. H. The sources of the affective reaction to fallacies 21, 157-161.
- Washburn, M. F., and Walker, M. The Healy-Fernald picture completion test as a test of the perception of the comic 30, 304-307.
- Washburn, M. F., Adler, H., and Williams, M. The correlation between accuracy of the visual memory after-image and control of visual imagery 25, 293-295.
- Washburn, M. F., Babbitt, M., and Woods, M. Affective sensitiveness to colors, tone intervals, and articulate sounds 26, 289-291.
- Washburn, M. F., Bacon, M. M., and Rood, E. A. A study of affective contrast 25, 290-293.
- Washburn, M. F., Baum, H., and Litchfield, M. The results of certain standard mental tests as related to the academic records of college seniors 30, 307-310.
- Washburn, M. F., Baxter, M. F., and Yamada, K. Directed recall of pleasant and unpleasant experiences 28, 155-157.
- Washburn, M. F., Browning, M., and Brown, D. E. The effect of the interval between repetitions on the speed of learning a series of movements 24, 580-583.
- Washburn, M. F., Cattell, J., and Glascock, J. Experiments on a possible test of aesthetic judgment of pictures 29, 333-336.
- Washburn, M. F., Clark, D., and Goodell, M. S. The effect of area on the pleasantness of colors 22, 578-579.
- Washburn, M. F., Clark, H., and Quackenbush, N. A suggested coefficient of affective sensitiveness 24, 583-585.
- Washburn, M. F., Cobb, M. E., and Kincaid, M. Further tests of the verbal ability of poor spellers 29, 331-332.
- Washburn, M. F., Garver, L. N., and Gleason, J. M. The source of affective reactions to articulate sounds 26, 292-295.
- Washburn, M. F., Graves, K. B., and Heath, E. Directed egocentric reactions 30, 300-302.
- Washburn, M. F., Hoag, R., and Lindemann, J. A. A study of errors in the perception of movement on the skin 19, 245-247.
- Washburn, M. F., Howell, A., and Hopson, L. Accuracy of visual memory and speed of verbal perception in poor spellers 28, 157-158.
- Washburn, M. F., May, S., and White, S. D. A study of freshmen 28, 151-155.

- Washburn, M. F., Montague, M., and Reynolds, M. M. A further study of freshmen 29, 327-330.
- Washburn, M. F., Morgan, E., and Mull, H. K. An attempt to test moods or temperaments of cheerfulness and depression by directed recall of emotionally toned experiences 30, 302-304.
- Washburn, M. F., Mould, M., and Treadwell, L. The influence of suppressing articulation on the favorable effect of distributing repetitions 26, 286-288.
- Washburn, M. F., Norris, E. L., and Twiss, A. G. An effect of fatigue on judgments of the affective value of colors 22, 112-114.
- Washburn, M. F., Potter, H. M., and Tuttle, R. The speed of affective judgments 25, 288-290.
- Washburn, M. F., Robbins, H., and Smith, D. The influence of fatigue on affective sensitiveness to colors 26, 291-292.
- Washburn, M. F., Stroh, M., and Shaw, A. M. A study in guessing 19, 243-245.
- Washburn, W. W., and Houston, H. E. On the naming of colors 18, 519-523. The effect of various kinds of artificial illumination upon colored surfaces 19, 536-540.
- Watanabe, R. On the quantitative determination of an optical illusion 6, 509-514. Two points in reaction-time experimentation 6, 408-412. 7, 451.
- Watanabe, R., and Hill, A. R. "Sensorial" and "muscular" reactions 6, 242-246.
- Watkins, G. P. Psychical life in protozoa 11, 166-180.
- Watson, J. B., and Morgan, J. J. B. Emotional reactions and psychological experimentation 28, 163-174.
- Weed, S. C., Hallam, F. M., and Phinney, E. D. A study of the dream-consciousness 7, 405-411.
- Weiss, A. P. A limen color mixer 28, 409-418.
- Weld, H. P. An experimental study of musical enjoyment 23, 245-308.
- Welles, E. S., Martin, E. G., and Paul, B. D. A comparison of reflex thresholds with sensory thresholds—the relation of this comparison to the problem of attention 26, 428-437.
- Wellesley College Psychological Laboratory. Minor studies from,
 I. *Learoyd, M. W.* The "continued story" 7, 86-90.
 II. *Calkins, M. W.* Synaesthesia 7, 90-107.
 III. *Weed, S. C., Hallam, F. M., and Phinney, E. D.* A study of the dream-consciousness 7, 405-411.
 IV. *Andrews, G. A.* Studies of the dream-consciousness 12, 131-134.
- Wells, F. L. A neglected measure of fatigue 19, 345-358. Normal performance in the tapping test before and during practice, with special reference to fatigue phenomena 19, 437-483. Studies in retardation as given in the fatigue phenomena of the tapping test 20, 38-59. Sex differences in the tapping test: an interpretation 20, 353-363. Practice effects in free association 22, 1-13. The relation of practice to individual differences 23, 75-88. Practice and the work-curve 24, 35-51. A note on the retention of acquired capacities 26, 58-67. On the psychomotor mechanisms of typewriting 27, 47-70.
- Wells, W. R. Value vs. truth as the criterion in the teaching of college philosophy 28, 504-507. The theory of recapitulation and the religious and moral discipline of children 29, 371-382. The biological value of religious belief 29, 383-392.
- West, G. M. Eye tests on children 4, 595-596.
- West, H., and Jastrow, J. A study of Zöllner's figures and other related illusions 4, 381-398. A study of involuntary movements 4, 398-407.
- Wheeler, H. S., Boynton, L. J., Dewar, M., Foster, E., and Gamble, E. A. McC. The effect of music on thoracic breathing 17, 406-414.
- Wheeler, W. M. Vestigial instincts in insects and other animals 19, 1-13.
- Whipple, G. M. The influence of forced respiration on psychical and physical activity 9, 560-571. On nearly simultaneous clicks and flashes 10, 280-286. Two cases of synaesthesia 11, 377-404. An analytic study of the

- memory image and the process of judgment in the discrimination of clangs and tones 12, 409-457. 13, 219-268. A compressed air device for acoustic and general laboratory work 14, 107-112. Studies in pitch discrimination 14, 553-573. Reaction-times as a test of mental ability 15, 489-498. A quick method for determining the index of correlation 18, 322-325.
- Whipple, G. M., and Titchener, E. B. Tuning forks for tests of pitch-discrimination 20, 279-281.
- White, S. D., May, S., and Washburn, M. F. A study of freshmen 28, 151-155.
- Whitton, F., and Jastrow, J. The perception of space by disparate senses 3, 49-54. The effect of foreknowledge upon repetition-times 4, 198-201. Accessory apparatus for accurate time-measurements 4, 208-213.
- William Smith and Hobart Colleges Psychological Laboratory, Minor studies from,
 I. Gibson, L., and Hartman, T. The comparative rapidity of hydrochloric, sulphuric and acetic acids 30, 311-313.
 II. Rich, G. J. The daylight mazda lamp in the psychological laboratory 30, 131-135.
- Williams, H. D. On the calculation of an associative limen 29, 219-226.
- Williams, M., Adler, H., and Washburn, M. F. The correlation between accuracy of the visual memory after-image and control of visual imagery 25, 293-295.
- Wilson, L. N. Bibliography of the published writings of President G. Stanley Hall 14, 681-694.
- Wiltse, S. E. Observations on general terms 3, 144-148.
- Winch, W. H. Color-names of English school-children 21, 453-482.
- Winfield, M., and Cowdrick, M. The adjustment of the Hering color-blindness apparatus 30, 418-422.
- Winston, L. G. Myself and I: a confession 19, 562-563.
- Wisconsin, University of, Psychological Laboratory. Studies from,
Jastrow, J. Psychophysics series: A—Visual extension 3, 43-47.
Jastrow, J., Hanks, L. M., and Kerr, J. B. Psychophysics series: B—Tactual motor extension 3, 47-49.
Jastrow, J., and Whitton, F. The perception of space by disparate senses 3, 49-54.
Jastrow, J., Flesh, S. B., and Smith, H. On the pressure sense 3, 54-56.
Jastrow, J., and Lee, A. A. On just observable differences 3, 57-58.
Jastrow, J., and Whitton, J. The effect of foreknowledge upon repetition times 4, 198-200.
Jastrow, J., and Moorehouse, G. W. A novel optical illusion 4, 201-208.
Jastrow, J., and Whitton, F. Accessory apparatus for accurate time measurements 4, 208-213.
Jastrow, J., and Cairnes, W. B. The psychophysics series and the time-sense 4, 213-217.
Jastrow, J., and Lee, A. A. The psychophysics series and the motor-sense 4, 217-219.
Jastrow, J., and Cairnes, W. B. The interference of mental processes—a preliminary survey 4, 219-223.
Jastrow, J., and West, H. A study of Zöllner's figures and other related illusions 4, 381-398.
Jastrow, J., and West, H. A study of involuntary movements 4, 398-407.
Jastrow, J., and Kronshage, T. Observations on the absence of the sense of smell 4, 407-411.
Jastrow, J., Moorehouse, G. W., and Harper, M. Classification time 4, 411-415.
Jastrow, J., Sercombe, W., and Churchill, L. M. Finding-time 4, 415-420.
Jastrow, J., and Moorehouse, G. W. Some anthropometric and psychologic tests on college students 4, 420-428.
Jastrow, J., and Moorehouse, G. W. On the judgment of angles 5, 214-[217].

- Jastrow, J., and Turner, J. H.* On the judgment of the position of lines 5, [217]-[220].
- Jastrow, J., and Brown, W. D.* On the judgment of horizontal, vertical and oblique lines 5, [220]-[223].
- Jastrow, J., Carter, T. P., and Sherry, E. P.* A further study of involuntary movements 5, [223]-[231].
- Jastrow, J., Moorehouse, G. W., Bolton, E. C., and Johnson, E. T.* Further studies of classification-times 5, [232]-[239].
- Jastrow, J., and Moorehouse, G. W.* On the perception of simultaneous sense-impressions 5, [239]-[244].
- Jastrow, J., and Brown, W. D.* The psychophysics series applied to lifted weights 5, [245]-[248].
- Jastrow, J.* Note upon other researches 5, [248].
- Wolfe, H. K.* Psychology at the University of Nebraska 3, 276-277. Some judgments on the size of familiar objects 9, 137-166.
- Woods, E. L.* An experimental analysis of the process of recognizing 26, 313-387.
- Woods, M., Babbitt, M., and Washburn, M. F.* Affective sensitiveness to colors, tone intervals, and articulate sounds 26, 289-291.
- Woolston, H. B.* Religious emotion 13, 62-79.
- Yamada, K., Baxter, M. F., and Washburn, M. F.* Directed recall of pleasant and unpleasant experiences 28, 155-157.
- Yerkes, R. M., and Berry, C. S.* The association reaction method of mental diagnosis (*Tatbestandsdiagnostik*) 20, 22-37.
- Young, P. T.* An experimental study of mixed feelings 29, 237-271. The localisation of feeling 29, 420-430.
- Yuzero, M., and Hall, G. S.* Dermal sensitiveness to gradual pressure changes 1, 72-98.

III. INDEX BY AUTHORS OF BOOKS REVIEWED

By LUCY DAY BORING

- Abramowski, E. *L'analyse physiologique de la perception* 23, 150.
Adams, H. F. *The adequacy of the laboratory test in advertising* 27, 285.
Adams, J. *The evolution of educational theory* 24, 294.
Aikins, H. A. *The principles of logic* 15, 308.
Alechsieff, N. *Die Grundformen der Gefühle* 19, 269.
Algeri, G., and Marchi, V. *Sulle degenerazioni discendenti consecutive a lesioni sperimentali in diverse zone della corteccia cerebrale* 1, 328.
Aliotta, A. *Experimental researches on the perception of intervals of time* 16, 547.
Allen, G. *The evolution of the idea of God* 9, 414.
Allin, A. *Ueber das Grundprincip der Association* 7, 285.
Alrutz, S. *Die Kitzel- und Juckempfindungen* 21, 180.
Alt, K., and Schmidt. *Untersuchungen über den electricischen Leitungswiderstand der thierischen Gewebe* 6, 293.
Andriezen, W. L. *On some of the newer aspects of the pathology of insanity* 7, 128.
Angell, J. R. *Psychology: an introductory study of the structure and function of human consciousness* 17, 415.
Angier, R. P. *Die Schätzung von Bewegungsgrößen bei Vorderarmbewegung* 18, 265.
Arnd, R., and Dohm, A. *Der Verlauf der Psychosen* 1, 339.
Aridigo, —. *Alcune osservazioni relative alla legge psicologica del riconoscimento* 4, 464.
Aronsohn, E. *Experimentelle Untersuchungen zur Physiologie des Geruchs* 1, 316.
Arréat, —. *Psychologie du peintre* 5, 111.
Aubert, —. *Die innerliche Sprache und ihr Verhalten zu den Sinneswahrnehmungen* 3, 289.
Aubert, H. *Physiologische Studien über die Orientirung, unter Zugrundelegung von Yves Delage: Études expérimentales sur les illusions statiques et dynamiques de direction pour servir à déterminer les fonctions des canaux demi-circulaires de l'oreille interne* 2, 480.
Aubry, P. *La contagion du meurtre: étude anthropologique criminelle* 3, 228.
Audenino, E. *La Mano. Appunti antropometrici et antropologici* 19, 424.
Aveling, F. *The consciousness of the universal* 24, 276.
Bailey, T. P. *Race orthodoxy in the south, and other aspects of the negro question* 25, 461.
Baillarger. *De la guérison de la paralysie générale, et de la théorie des pseudo-folies paralytiques* 1, 335.
Baillie, J. B. *An outline of the idealistic construction of experience* 18, 372.
Baird, J. W. *The color sensitivity of the peripheral retina* 17, 430.
Bajenoff, —. and Ossipoff, —. *La suggestion et ses limites* 22, 462.
Baker, T. L. *War with crime* 3, 121.
Baldwin, J. M. *Suggestion in infancy* 4, 468. *Mental development in the child and the race* 7, 142.
Baréty, A. *Le magnétisme animal étudié sous le nom de force neurique rayonnante et circulante* 1, 501.
Barker, F. *The nervous system and its constituent neurones* 11, 430.
Barrès, —. *Les diverses familles spirituelles de la France* 29, 453.
Bartels, A. *Versuche über die Ablenkung der Aufmerksamkeit* 2, 650.
Bartels, M. *Die Medizin der Naturvölker* 6, 458.

- Bastian, A. Die Seele indischer und hellenischer Philosophie in den Gespenstern moderner Geistesseherei 1, 546.
- Bateson, W. Mendel's principles of heredity 21, 329.
- Battesti, —. Le mariage au point de vue de l'hérédité 3, 262.
- Beauais, H. Le somnambulisme provoqué, études physiologiques et psychologiques 1, 509.
- Becelaere, L. van. La philosophie en Amérique depuis les origines jusqu'à nos jours 15, 458.
- Bechterew, W. Ueber die hinteren Nervenwurzeln, ihre Endigung in der grauen Substanz des Rückenmarkes und ihre centrale Fortsetzung im Letzteren 1, 490. Ueber die Erregbarkeit einzelner Faserbündel im Rückenmark neugeborener Thiere 2, 148. Ueber die Bestandtheile des vorderen Kleinhirnschenkels 2, 467.
- Beers, C. W. A mind that found itself, an autobiography 19, 426.
- Bell, A. G. Facts and opinions relating to the deaf, from America 2, 182.
- Bellarminow, —. Ueber intermittirende Netzhautreizung 2, 479.
- Bellonci, J. Ueber die centrale Endigung des Nervus opticus bei den Vertebraten 2, 468.
- Benedikt, M. Kraniometrie und Kephalmetrie 2, 148. Anatomische Studien an Verbrecher-Gehirnen, für Anthropologen, Mediciner, Juristen und Psychologen 3, 237.
- Bennett, W. Justice and happiness 23, 154.
- Berger, G. O. Ueber den Einfluss der Uebung auf geistige Vorgänge 2, 168.
- Bergson, H. Laughter: an essay on the meaning of the comic 23, 146. Creative evolution 23, 333.
- Bérillon, —. Les faux témoignages suggérées chez les enfants 4, 466.
- Bernard, H. M. Some neglected factors in evolution 23, 148.
- Bernheim, H. De la suggestion, et de ses applications à la thérapeutique 1, 505. Des hallucinations négatives suggérées 2, 323. Suggestive therapeutics. A treatise on the nature and uses of hypnotism 2, 660. Les suggestions criminelles 3, 224. On the physical nature of hysterical unilateral amblyopia and sensitive-sensorial hemianaesthesia 6, 295.
- Berrettoni, V. Geometrical optical illusions: Quantitative research on the Müller-Lyer illusion 16, 547.
- Berthélemy, H. Contribution à l'étude du mal perforant dans la paralysie générale 3, 564.
- Bertrand, A. L'enseignement intégral 10, 157.
- Bertschinger, H. Heiligungsvorgänge bei Schizophrenen 23, 130.
- Bianchi, —. Lecture on the disorders of language 1, 334.
- Bianchi, L. La psicologia in rapporto alle ultime nozioni di fisiologia del cervello 3, 550. The function of the frontal lobes 7, 426. A textbook of psychiatry 17, 597.
- Bigelow, W. S. Buddhism and immortality 20, 140.
- Binet, A. L'intensité des images mentales 1, 517. Recherches sur l'anesthésie hystérique 2, 324. Recherches sur les altérations de la conscience chez les hystériques 2, 664. Recherches sur les mouvements volontaires dans l'anesthésie hystérique 3, 135. Recherches sur les mouvements chez quelques jeunes enfants 3, 273. L'âme et le corps 17, 422.
- Binet, A., and Féré, C. Animal magnetism 1, 496.
- Binet, A., and Simon, T. Mentally defective children 26, 467.
- Björnström, F. Hypnotism: its history and present development 2, 660.
- Bleuler, E. Zur Psychologie der Hypnose 2, 659.
- Blondel, M. Une association inséparable: l'agrandissement des astres à l'horizon 2, 658.
- Boas, F. Handbook of American Indian languages 23, 151. The mind of primitive man 23, 339.
- Boggs, L. P. An experimental study of the physiological accompaniments of feeling 16, 251.

- Bolton, T. L., and Miller, E. T. On the validity of the ergograph as a measure of work capacity 15, 307.
- Bonnier, —. Physiologie du nerf de l'espace 5, 101.
- Book, W. F. The psychology of skill, with special reference to its acquisition in typewriting 20, 289.
- Bordoni-Uffreduzzi, G., and Buccola, G. Sul tempo di percezione dei colori 1, 532.
- Borgherini, A., and Gallerani, G. Sezione mediana anteroposteriora del verme del cervelletto 5, 457.
- Bosanquet, B. Psychology of the moral self 9, 130.
- Bosc, —, and Mairet, —. Recherches sur les causes de la toxicité de l'urine normale 5, 76. Alienation mentale par troubles de la nutrition, preuves expérimentales de l'existence de ce genre d'alienation 5, 77.
- Bose, J. C. Response in the living and non-living 14, 258.
- Bourdon, B., and Dide, M. Un cas d'amnesie continue avec asymbolie tactile, compliqué d'autres troubles 16, 252.
- Bournet, A. De la criminalité en France et en Italie; étude medico-légale 3, 231.
- Bourru, H., and Burot, P. La suggestion mentale, et l'action à distance des substances toxiques et médicamenteuses 1, 502. Variations de la personnalité 1, 521.
- Boutroux, E. Étude d'histoire de la philosophie 9, 595.
- Boveri, —. Ein geschlechtlich erzeugter Organismus ohne mütterliche Eigenschaften 3, 264.
- Bowditch, H. P. The reinforcement and inhibition of the knee-jerk 1, 712.
- Bowditch, H. P., and Warren, J. W. The knee-jerk and its physiological modifications 3, 577.
- Bowne, B. P. Introduction to psychological theory 1, 149.
- Boyce, R. Beitrag zur Lehre von der absteigenden Degeneration in Gehirn und Rückenmark und Bemerkungen über die Localization und die Leitungsbahnen der Krämpfe bei der "Absynth-Epilepsie" 6, 636.
- Bramwell, B. Case of general paralysis cured by anti-syphilitic treatment 3, 568.
- Breasted, J. H. Development of religion and thought in ancient Egypt 24, 286.
- Breed, F. S. The development of certain instincts and habits in the chick 23, 337.
- Brentano, —. Ueber ein optisches Paradoxon 6, 461 Ueber ein optisches Paradoxon (Zweiter Artikel) 6, 462.
- Breuer, J. Neue Versuchungen an den Ohrenbogengängen 2, 332.
- Breuer, J., and Freud, S. Studien über Hysterie 10, 592.
- Breukink, —. Ueber Ermüdungskurven bei Gesunden, Neurosen und Psychosen 15, 587.
- Brill, A. A. A contribution to the psychopathology of everyday life 22, 438. Psychoanalysis, its theories and practical application 24, 298.
- Brinton, D. G. The pursuit of happiness 6, 281. The origin of sacred numbers 6, 644. A primer of Mayan hieroglyphics 6, 644. The factors of heredity and environment in man 10, 154.
- Britan, H. H. The philosophy of music: a comparative investigation into the principles of musical aesthetics 23, 145.
- Brockway, Z. R. Indeterminate sentence and conditional liberation 3, 233.
- Brodhun, E., and König, A. Experimentelle Untersuchungen über die psychophysische Fundamentalformel in Bezug auf den Gesichtssinn 2, 330.
- Brown, Warner. The judgment of very weak sensory stimuli with special reference to the absolute threshold of sensation for common salt 25, 450.
- Brown, William. The use of the theory of correlation in psychology 22, 129. The essentials of mental measurement 23, 147.
- Brown-Séguard, —. Recherches sur la localization des conducteurs des impressions sensibles dans les diverses parties de l'encéphale et sur la pathogénie de anesthésies de cause encéphalique 3, 87.
- Bruce, H. Scientific mental healing 23, 163. Sleep and sleeplessness 27, 288.

- Brücke, E. Ueber die Wahrnehmung der Geräusche 1, 712.
- Bruns, L. Multiple Hirnnervenläsion nach Basisfractur. Ein Beitrag zur Frage des Verlaufs der Geschmacksnerven 3, 93.
- Bruns, L., and Stölting, B. Ein Fall von Alexie mit rechtsseitiger homonymer Hemianopsie ("subcortical Alexie," Wernicke) 2, 175.
- Brunton, L. Therapeutics of the circulation 20, 591.
- Bryant, S., and Cattell, J. McK. Mental association investigated by experiment 2, 487.
- Buccoia, G., and Bordoni-Uffreduzzi, G. Sul tempo di percezione dei colori 1, 532.
- Budgett, S. P., Howell, W. H., and Leonard, E. The effect of stimulation and of changes in temperature upon the irritability and conductivity of nerve fibers 6, 446.
- Bumke, O. Ueber die körperlichen Begleiterscheinungen psychischer Vorgänge 22, 449.
- Burghardt, W. E. The souls of black folk 23, 340.
- Burke, J. B. The origin of life 18, 150.
- Buret, P., and Bourru, H. La suggestion mentale, et l'action à distance des substances toxiques et médicamenteuses 1, 502. Variations de la personnalité 1, 521.
- Burr, A. R. The autobiography, a critical and comparative study 21, 338.
- Burton, F. R. American primitive music, with especial attention to the songs of the Ojibways 21, 332.
- Busse, L. Die Weltanschauungen der grossen Philosophen der Neuzeit 23, 158.
- Buttell-Reepen, H. von. Are bees reflex machines? 19, 423.
- Cajal, see Ramon y Cajal.
- Caldwell, M. G. A study of the sense epithets of Shelley and Keats 11, 592. An introduction to psychology 13, 161. Der doppelte Standpunkt in der Psychologie 17, 140. A first book in psychology 26, 465.
- Calkins, M. W., and Gamble, E. A. McC. Die reproducierte Vorstellung beim Wiedererkennen und beim Vergleichen 15, 305.
- Camerer, W. Die Methode der Aequivalente angewandt zur Maassbestimmung der Feinheit des Raumsinnes 1, 318.
- Campbell, A. W. Histological studies on the localization of cerebral function 17, 600.
- Campbell, A. W., and Russell, J. S. Degenerations consequent on experimental lesions of the cerebellum 7, 276.
- Camus, P., and Demy, G. Sur une forme d'hypochondrie aberrante due à la perte de la conscience du corps 16, 554.
- Canestrini, S. Ueber das Sinnesleben des Neugeborenen 25, 595.
- Carnevale, E. La questione della pena di morte 3, 390.
- Caro, L. Ueber Aphasia 2, 498.
- Cattell, J. McK. Ueber die Trägheit der Netzhaut und des Sehcentrums 1, 709. Ueber die Zeit der Erkennung und Benennung von Schriftzeichen, Bildern und Farben 1, 708. The influence of the intensity of the stimulus on the length of the reaction time 1, 710. Psychometrische Untersuchungen 2, 166.
- Cattell, J. McK., and Bryant, S. Mental association investigated by experiment 2, 487.
- Charcot, J. M. Le progrès médical 1, 518. Hypnotism and crime 3, 223.
- Charcot, J. M., and Richer, P. Les démoniaques dans l'art 1, 495.
- Chaslin, P., and Séglas, T. Katatonia 3, 212.
- Chatelain, H. African races 6, 641.
- Chauveau, —. On the sensori-motor nerve-circuit of muscles 5, 272.
- Cheney, A. E., and Lloyd, W. E. Psychology, normal and abnormal 20, 292.
- Chervin, —. Bégaiement et autres maladies fonctionnelles de la parole 15, 594.
- Chevalier, —. La paralysie générale à l'asile de Dijon 5, 82.
- Chittenden, R. H., and Kühne, W. On Neurokeratin 3, 191.

- Claparède, E. L'agrandissement et la proximité apparentes de la lune à l'horizon 18, 264. La psychologie animale de Charles Bonnet 20, 474. Psychologie de l'enfant et pédagogie expérimentale 20, 584. Les chevaux savants d'Elberfeld 25, 133. Encore les chevaux d'Elberfeld 25, 134.
- Clark, D. The public and the doctor in relation to the dipsomaniac 3, 405.
- Clarke, —. Sex education, or a fair chance for girls 3, 259.
- Clevenger, S. V. Comparative physiology and psychology 1, 733.
- Cobbe, W. R. Doctor Judas. A portrayal of the opium habit 7, 294.
- Colajanni, N. L'Alcoolismo, sue consequenze morali e sue cause 3, 226.
- Colvin, S. S. The learning process 24, 589.
- Combemale, —, and Mairêt, A. Influence dégénérative de l'alcool sur la descendance 2, 173.
- Coover, J. E. Experiments in psychical research at Leland Stanford, Junior, University 29, 233.
- Coriat, I. H., Worcester, E., and McComb, S. Religion and medicine 19, 427.
- Corin, J. Action des acides sur le goût 2, 161.
- Corre, A. Les criminels, caractères physiques et psychologiques 3, 115. Le crime en pays Créoles 3, 230. Le délit et le suicide à Brest 3, 389. Crime et suicide 5, 107.
- Cory, C. B. Hypnotism or mesmerism 2, 318.
- Cottam, —. A case of general paralysis of the insane with crossed reflexes 5, 84.
- Coutagne, H. Archives de l'anthropologie criminelle—Tome III 3, 126.
- Cowles, E. The problem of psychiatry in the functional psychoses 17, 607.
- Craig, —. Psychological medicine 16, 558.
- Cramer, A., and Tuzcek, F. Ein Hydrocephalus ungewöhnlichen Umfangs 3, 89.
- Crozier, J. B. History of intellectual development on the lines of modern evolution 10, 594.
- Culler, A. J. Influence and adaptability 24, 133.
- Cumont, F. The oriental religions in Roman paganism 23, 158.
- Cybulski, N. Ueber die Auto-suggestion bei den Hypnotisirten 1, 520.
- Danks, B. On the shell money of New Britain 1, 729.
- Dattner, B. Eine psychoanalytische Studie an einem Stotterer 23, 313.
- Davidson, J. A new interpretation of Herbart's psychology and educational theory through the philosophy of Leibniz 18, 149.
- Dearborn, W. F. The psychology of reading 18, 144.
- De Fursac, J. R. Les écrits et les dessins dans les maladies nerveuses et mentales 17, 596.
- Dehio, H. Experimentelle Untersuchungen über die Veränderungen der ganglienzellen bei der acuten Alcoholvergiftung 8, 131.
- Dejerine, J., M. et Mme. Sur les connexions du ruban de Reil avec la corticalité cérébrale 7, 280.
- Delacroix, H. Études d'histoire et de psychologie du mysticisme 19, 412.
- Délage, Y. Études expérimentales sur les illusions statiques et dynamiques de direction pour servir à déterminer les fonctions des canaux demi-circulaires 1, 179.
- De Laguna, G. A., and T. Dogmatism and evolution 22, 304.
- Delboeuf, —. Une nouvelle illusion d'optique 6, 463.
- Delbrück, A. Zur Lehre von der Kreuzung der Nervenfasern im Chiasma Nervorum opticorum 3, 375.
- Dell, J. A. The gateways of knowledge: an introduction to the study of the senses 23, 585.
- Demy, G., and Camus, P. Sur une forme d'hypochondrie aberrante due à la perte de la conscience du corps 16, 554.
- De Sanctis, —. Die Mimik des Denkens 17, 603.
- Deschamps, A. Les névroses et le pessimisme 3, 138.

- Despine, P. Psychologie naturelle, étude sur les facultés intellectuelles et morales dans leur état normal et dans leurs manifestations anormales chez les aliénés et chez les criminels 3, 239.
- Dessoir, M. Bibliographie des modernen Hypnotismus 2, 325. Das doppel Ich 2, 667. Ueber den Hautsinn 5, 279. Geschichte der neueren deutschen Psychologie 9, 404.
- Devon, J. The criminal and the community 23, 473.
- Dewey, J. Psychology 1, 154.
- Dewey, J., and McLellen, J. A. The psychology of number and its applications to methods of teaching arithmetic 7, 300.
- Dichas, A. Étude de la mémoire dans ses rapports avec le sommeil hypnotique 1, 513.
- Dickinson, W. L., and Langley, J. N. On the progressive paralysis of the different classes of nerve-cells in the superior cervical ganglion 3, 556.
- Dide, M., and Bourdon, B. Un cas d'amnésie continue avec asymbolie tactile, compliqué d'autres troubles 16, 252.
- Dixon, E. T. On the relation of accommodation and convergence to our sense of depth 7, 430.
- Dodge, R. An experimental study of visual fixation 19, 272.
- Dodge, R., and Erdmann, B. Psychologische Untersuchungen über das Lesen auf Experimenteller Grundlage 10, 324.
- Dohm, A., and Arndt, R. Der Verlauf der Psychosen 1, 339.
- Doignear, A. Nos ancêtres primitifs 16, 556.
- Doll, E. A., and Petersen, A. M. Sensory discrimination in normal and feeble-minded children 26, 614.
- Donaldson, H. H. Preliminary observations on some changes caused in nervous tissues by reagents commonly used to harden them 6, 445. The growth of the brain 7, 123.
- Dornblüth, O. Anatomische Untersuchung eines Falles von amyotrophischer Lateralsklerosis 2, 632.
- Dowd, J. The negro races: a sociological study 26, 308.
- Doyle, A. Conan. The geographical distribution of British intellect 2, 181.
- Draper, A. S. American education 21, 340.
- Drasch, O. Untersuchungen über die Papillae Foliatae et Circumvallatae des Kaninchen und Feldhasen 2, 152.
- Dresser, H. W. Human efficiency: a psychological study of modern problems 23, 477.
- Driesch, H. The problem of individuality: a course of four lectures delivered before the University of London in October, 1913 25, 459.
- Drummond, H. Lowell lectures on the ascent of man 6, 652.
- Dubois, P. The psychic treatment of nervous disorders 17, 142.
- Düsing, —. Die Regulierung des Geschlechtsverhältnisses bei Vermehrung der Menschen, Tiere und Pflanzen 3, 243.
- Dugas, L. L'Amitié antique d'après les moeurs populaires et les theories des philosophes 7, 297.
- Dugdale, —. The Jukes, a study of heredity, pauperism and crime 3, 261.
- Dumreicher, O. Zur Messung der Reactionszeit 3, 577.
- Dunlap, K. An outline of psychobiology 27, 437.
- Durcheim, E. Le suicide 10, 596.
- Dwelschauvers, G. Untersuchungen zur Mechanik der activen Aufmerksamkeit 3, 382.
- Ebbinghaus, H. Die Gesetzmässigkeit des Helligkeitscontrastes 1, 527. Ueber Nachbilder im Binocularen Sehen und die binocularen Farberscheinungen überhaupt 3, 206. Ueber den Grund der Abweichungen von den Weber'schen Gesetz bei Lichtempfindungen 2, 643. Abriss der Psychologie 19, 429.
- Eberstaller, O. Das Stirnhirn 3, 371.

- Edes, E. R. On the method of transmission of the impulse in medullated fibers 6, 291.
- Edes, R. T. The New England invalid 7, 292.
- Edkins, J. The early spread of religious ideas, especially in the Far East 6, 458.
- Eeden, F. van, and Renterghem, A. W. van. Clinique de psycho-thérapie suggestive fondée à Amsterdam 2, 666.
- Eisner, K. Psychopathia Spiritualis, Friedrich Nietzsche und die Apostel der Zukunft 6, 139.
- Ejner, M. Experimentelle Studien über den Zeitsinn 3, 211.
- Elbé, L. Future life in the light of ancient wisdom and modern science 17, 429.
- Elliot, H. S. R. Modern science and the illusions of Professor Bergson 23, 586.
- Ellis, H. The criminal 3, 395. The world of dreams 22, 463.
- Elsas, A. Die Deutung der psychophysischen Gesetze 1, 534.
- Epstein, —. Die logischen Principien der Zeitmessung 5, 103.
- Erdmann, B., and Dodge, R. Psychologische Untersuchungen über das Lesen auf Experimenteller Grundlage 10, 324.
- Escherich, K. Die Ameise 17, 603.
- Ettlinger, M. Der Streit um die rechnenden Pferde 25, 135.
- Eucken, R. Life's basis and life's ideal: the fundamentals of a new philosophy of life 23, 476.
- Everett, W. G. Moral values: a study of the principles of conduct 29, 234.
- Ewald, J. R. Zur Physiologie des Labyrinths. Mitteilung: Das Hören der labyrinthlosen Tauben 6, 639.
- Exner, S. Ueber optische Bewegungsempfindungen 2, 157. Das Netzhautbild des Insectenauges 3, 208. Das Verschwinden der Nachbilder bei Augenbewegungen 3, 289.
- Fajersztajn, J. Recherches sur les terminaisons des nerfs dans les disques terminaux chez la grenouille (*Rana esculenta*, *Rana temporaria*) 3, 194.
- Falk, —. Versuche über die Raumschätzung mit Hilfe von Armbewegungen 5, 100.
- Falkner, R. P. Prison statistics of the United States for 1888 3, 123.
- Fastrez, A. Ce que l'armée peut être pour la nation 20, 457.
- Fechner, G. T. Ueber negative Empfindungswerte. Letters written to W. Preyer, between 1873 and 1883, and now edited by him 3, 288.
- Feindel, E., and Meige, H. Der Tic, sein Wesen und seine Behandlung 15, 592.
- Féré, C. Le surmenage scolaire 1, 349. On paralysis by exhaustion 1, 726. Dégénérescence et criminalité, essai physiologique 3, 119. L'énergie et la vitesse des mouvements volontaires 2, 647.
- Féré, C., and Binet, A. Animal magnetism 1, 496.
- Ferenczi, S. F. Introjektion und Uebertragung 22, 433. Anatole France als Analytiker 23, 128.
- Ferguson, J. On the nerve supply of the sense of taste 5, 97.
- Fernberger, S. W. On the relation of the methods of just perceptible differences and constant stimuli 25, 140.
- Ferrari, G. C. Le emozioni e la vita del subsciente 23, 464.
- Ferri, F. Socialismo e criminalità 3, 391.
- Ferrier, D. The functions of the brain 1, 170. Cerebral localization 4, 295.
- Fick, A. E. Myographische Versuche am lebenden Menschen 1, 324. Studien über Licht- und Farbenempfindung 2, 154.
- Fillmore, J. C. Russian folk-songs. A study in musical psychology 6, 287.
- Finck, F. N. Die Sprachstämme des Erdkreises 22, 120. Die Haupttypen des Sprachbaus 22, 121.
- Fischer, R. Grössenschätzungen im Gesichtsfeld 6, 465.
- Fiske, E. W. An elementary study of the brain, based on the dissection of the brain of the sheep 24, 590.
- Flechsig, P. Ueber eine neue Färbungsmethode des centralen Nervensystems und deren Ergebnisse bezüglich des Zusammenhanges von Ganglienzellen und Nervenfasern 3, 192. Ueber ein neues Eintheilungsprincip der Grosshirnoberfläche 6, 635.
- Fletcher, A. C. A study of Omaha Indian music 6, 285.

- Flint, R. Agnosticism 14, 254.
- Flournoy, T. Des phénomènes de synopsis 5, 550. Observations sur quelques types de réaction simple 8, 139. Des Indes à la planète Mars. Étude sur un cas de somnambulisme avec glossolalie 11, 428. From India to the planet Mars: a study of a case of somnambulism, with glossolalia 12, 265.
- Förster, D. Ueber Rindenblindheit 3, 374.
- Foerster-Nietzsche, E. The life of Nietzsche 23, 588.
- Folsom, C. F. The early stage of general paralysis 3, 557. Some points regarding general paralysis 5, 80.
- Fontan, J., and Légard, C. Eléments de médecine suggestive 1, 511.
- Forbes, A., and Wells, F. L. On certain electrical processes in the human body and their relation to emotional reactions 23, 149.
- Forel, A. Der Hypnotismus und seine Strafrechtliche Bedeutung 2, 316. Zwei Kriminalpsychologische Fälle 3, 120.
- Forsyth, C. Orchestration 26, 462.
- Fouillée, A. La psychologie des sexes et ses fondements physiologiques 6, 646. Tempérament et caractère selon les individus, les sexes, et les races 7, 296. Psychologie du peuple français 9, 598.
- Fournière, E. L'idéalisme social 10, 595.
- France, E. P. On the descending degenerations which follow the lesions of the gyrus marginalis and the gyrus fornicatus in monkeys 3, 189.
- Francé, R. H. Germs of mind in plants 17, 289.
- Frank, E. Polyneuritis und Geistesstörung 4, 338.
- Frank, H. The challenge of the war 30, 432.
- Frankl-Hochwart. Ueber Psychosen nach Augen-Operationen 4, 331.
- Frazier, J. G. The belief in immortality and the worship of the dead, vol. I 24, 454.
- Freud, S. Eine Kindheitserinnerung des Leonardo da Vinci 22, 408. Die zukünftigen Chancen der psychoanalytischen Therapie 22, 424. Ueber 'wilde' Psychoanalyse 22, 425. Die psychogene Sehstörung in psychoanalytischer Auffassung 22, 426. Ueber den Gegensinn der Urworte 22, 428. Beiträge zur Psychologie des Liebeslebens 22, 429. Psychoanalytische Bemerkungen über einen autobiographisch beschriebenen Fall von Paranoia (Dementia Paranoides) 23, 115. Formulierung ueber die zwei Prinzipien des psychischen Geschehens 23, 132. Die Handlung der Traumdeutung in der Psychoanalyse 23, 309.
- Freud, S., and Breuer, J. Studien über Hysterie 10, 592.
- Freund, C. S. Klinische Beiträge zur Kenntniss der generellen Gedächtnisschwäche 2, 337. Ueber optische Aphasia und Seelenblindheit 2, 496.
- Frey, M. von. Beiträge zur Physiologie des Schmerzsinns 7, 113. Die Gefühle und ihr Verhältniss zu den Empfindungen 7, 437.
- Froelich, —. Deux fractures spontanées chez un paralytique général 5, 83.
- Fuerstner, —. Ueber Simulation geistiger Störungen 1, 727. Ueber die Geistesstörungen des Senium 2, 501.
- Fullerton, G. S. An introduction to philosophy 18, 371.
- Fulliquet, G. Essai sur l'obligation morale 9, 408.
- Gad, —. Das Wachstum der Kinder 1, 348. Ueber die Reactionszeit für Erregung und für Hemmung 2, 168.
- Gallerani, G., and Borgherini, A. Sezione mediana anteroposteriore del verme del cervelletto 5, 547.
- Gallinger, A. Das Problem der objektiven Möglichkeit 24, 137.
- Galton, F. Memories of my life 20, 576.
- Gamble, E. A. McC., and Calkins, M. W. Die reproducierte Vorstellung beim Wiedererkennen und beim Vergleichen 15, 305.
- Garnier, —. La folie à Paris, la progression corrélatrice de la folie alcoolique et de la paralysie générale 5, 85.
- Garofalo, R. La criminologie, étude sur la nature du crime et la théorie de la pénalité 3, 117.

- Gaskell, W. H. On the relations between the function, structure, origin, and distribution of the nerve fibers which compose the spinal and cranial nerves, being the Marshall Hall prize oration 2, 299.
- Gassmann, G. Magnetismus and Hypnotismus 1, 520.
- Gaule, J. Der Oekus der Zellen 3, 140.
- Geddes, —. Article "Sex", Encyc. Britannica; and Proceedings of the Royal Society of Edinburgh 3, 107.
- Geddoelst, L. Nouvelles recherches sur la constitution cellulaire de la fibre nerveuse 3, 95.
- Gemelli, A. Il metodo degli equivalenti 26, 300.
- Gessmann, G. Sommambules Zeichnen 1, 725.
- Gillen, F. J., and Spencer, B. Across Australia 23, 587.
- Glass, R. Kritisches und Experimentelles über den Zeitsinn 1, 325.
- Goddard, H. H. The Kallikak family: a study in the heredity of feeble-mindedness 24, 290.
- Göller, A. Die Analyse der Lichtwellen durch das Auge 2, 155.
- Götte, —. Ueber den Ursprung des Todes 3, 105.
- Goldscheider, A. Ueber Ataxie und Muskelsinn 1, 324. Ueber die Grenzen der Wahrnehmung passiver Bewegungen 1, 532. Ueber den Muskelsinn 2, 656. Ueber die Summation von Hautreizen 5, 104. Zur Physiologie und Pathologie der Handschrift 5, 420. Ueber den Schmerz 7, 120. Ueber die materiellen Veränderungen bei der Assoziationsbildung 19, 265.
- Golgi, C. Untersuchungen über den feineren Bau des centralen und peripherischen Nervensystems 6, 634.
- Goltz, F. Ueber die Verrichtungen des Grosshirns 1, 692. Der Hund ohne Grosshirn 6, 291.
- Goodsell, W. The conflict of naturalism with humanism 23, 152.
- Gould, G. M. Biographic clinics 16, 140.
- Graber, V. Grundlinien zur Erforschung des Helligkeits- und Farbensinnes der Tiere 1, 713. Thermische Experimente an der Küchenschabe (*Periplaneta orientalis*) 2, 163.
- Graefe, A. Ueber Fusionsbewegungen der Augen beim Prismaversuche 6, 466.
- Graf, M. Richard Wagner im "Fliegenden Holländer." Ein Beitrag zur Psychologie des künstlerischen Schaffens 22, 419.
- Granier, C. La femme criminelle 17, 286.
- Greeff, —. Untersuchungen über binokulares Sehen mit Anwendung des Heringschen Fallversuchs 4, 470.
- Gregor, A. Leitfaden der experimentellen psychopathologie 22, 451.
- Greppin, L. Weiterer Beitrag zur Kenntniss der Golgi'schen Untersuchungsmethode des centralen Nervensystems 3, 95.
- Griffini, L. Sulla riproduzione degli organi gustatorii 1, 705.
- Grinnell, G. B. Pawnee hero stories and folk-tales 3, 270.
- Groos, K. Die Spiele der Thiere 7, 301.
- Groszmann, M. P. E. The exceptional child 29, 456.
- Gruber, E. Experimentelle Untersuchungen über die Helligkeit der Farben 6, 297.
- Grünhagen. Physiologie der Zeugung 3, 247.
- Grützner, —. Einige Versuche mit der Wunderscheibe 6, 467.
- Gurdon, P. R. T. The Khasis 26, 461.
- Gutberlet, C. Der gegenwärtige Stand der psychologischen Forschung 19, 264.
- Habrigh, L. Paedagogische Psychologie 17, 423.
- Hachet-Souplet, P. Examen psychologique des animaux 12, 264.
- Hagenbeck, C. Beasts and men 21, 333.
- Hall, H. F. The inward light 19, 413.
- Halleck, R. P. Psychology and psychic culture 7, 575.
- Hallock, W., and Wade, H. T. Outlines of the evolution of weights and measures and the metric system 18, 148.

- Hammarberg, C.** Studien über Klinik und Pathologie der Idiotie nebst Untersuchungen über die normale Anatomie der Hirnrinde 8, 123.
- Hanchett, H. G.** The art of the musician, a guide to the intelligent appreciation of music 17, 138.
- Hartt, R. L.** The people at play 20, 591.
- Heckel, —.** Perigenesis der Plastidule 3, 99.
- Heerwagen, F.** Statistische Untersuchungen über Träume und Schlaf 2, 342.
- Hegel, G. W. F.** The phenomenology of mind 22, 132; 309.
- Heinrich, W.** Die Aufmerksamkeit und die Function der Sinnesorgane 7, 429. Die moderne physiologische Psychologie in Deutschland, eine historisch-kritische Untersuchung mit besondere Berücksichtigung des Problems der Aufmerksamkeit, Edition I 7, 436; Edition II 11, 426.
- Heli, C.,** see **Chatelain, H.**
- Hellpach, W.** Die geopsychischen Erscheinungen: Wetter, Klima und Landschaft in ihrem Einfluss auf das Seelenleben 23, 469.
- Helmholtz, —.** Die Störung der Wahrnehmung kleinster Helligkeitsunterschiede durch das Eigenlicht der Netzhaut 3, 287.
- Henri, M. V.** Recherches sur la localisation des sensations tactiles 6, 469.
- Henry, C.** Les odeurs: démonstrations pratiques avec l'olfactomètre et le pésevapeur 5, 94. La loi des petits nombres: recherches sur le sens de l'écart probable dans les chances simples à la roulette, au trent-et-quarante, etc., en général dans les phénomènes dépendants de causes purement accidentelles, suivies d'une instruction pratique pour le joueur 19, 284.
- Henschen, S. E.** On the visual path and center 6, 295.
- Herbertz, R.** Ueberblick über die Geschichte und den gegenwärtigen Stand des psycho-physiologischen Problems der Augenbewegung 19, 271.
- Herckenrath, C. R. C.** Problèmes d'esthétique et de morale 9, 412.
- Hering, E.** Ueber Holmgren's vermeintlichen Nachweis der Elementarempfindungen des Gesichtssinns 1, 525. Eine Vorrichtung zur Farbenmischung, zur Diagnose der Farbenblindheit und zur Untersuchung der Contrasterscheinungen 1, 706. Ueber die Theorie des simultanen Contrastes von Helmholtz 3, 197. Ueber die von v. Kries wider die Theorie der Gegenfarben erhobenen Einwände 3, 201. Ueber die Hypothesen zur Erklärung der peripheren Farbenblindheit 3, 204. Beitrag zur Lehre von Simultankontrast 3, 288. Eine Methode zur Beobachtung des Simultankontrastes 3, 574. Zur Diagnostik der Farbenblindheit 3, 575. Die Untersuchung einseitiger Störungen des Farbensinnes mittels binocularer Farbgleichungen 3, 576.
- Herrmann, F.** Studien über den feineren Bau des Geschmacksorgans 2, 151.
- Hermann, L.** Hat das magnetische Feld directe physiologische Wirkungen? 2, 165.
- Herrick, C. L.** The metaphysics of a naturalist; philosophical and psychological fragments 22, 124.
- Herter, C. A.** Biological aspects of human problems 24, 288.
- Hervé, G.** La circonvolution de Broca. Étude de morphologie cérébrale 3, 372.
- Herz, M.** Kritische Psychiatrie 8, 140.
- Hess, C.** Ueber den Farbensinn bei indirectem Sehen 3, 203. Ueber die Tonänderungen der Spectralfarben durch Ermüdung der Netzhaut mit homogenem Lichte 3, 574.
- Hewitt, J. N. B.** The Iroquoian concept of the soul 7, 130.
- Hichens, R.** The dweller on the threshold 22, 452.
- Hill, D. J.** Genetic philosophy 6, 309.
- Hillebrand, F.** Das Verhältnis von Accomodation und Konvergenz zur Tiefenlokalisation 7, 430.
- Hirn, Y.** The origins of art—a psychological and sociological inquiry 12, 600.
- His, W.** Die Entwicklung der ersten Nervenbahnen beim menschlichen Embryo. Uebersichtliche Darstellung 2, 465. Zur Geschichte des Gehirns, sowie central und peripherischen Nervenbahnen beim menschlichen Embryo 2, 465. Die Formentwicklung des menschlichen Vorderhirn vom Ende des

- ersten bis zum Beginn des dritten Monats 3, 193. Histogenese und Zusammenhang der Nerven-elemente 3, 544.
- Hitzig, E. Ein Kinesiaesthesiometer, nebst einigen Bemerkungen über den Muskelsinn 1, 713.
- Hobhouse, L. T. The theory of knowledge 7, 574.
- Hocking, W. E. Human nature and its remaking 29, 455.
- Hodge, C. F. A microscopical study of changes due to functional activity in nerve cells 6, 447. A microscopical study of the nerve cell during electrical stimulation 6, 637. Changes in ganglion cells from birth to senile death; man and honeybee 6, 638.
- Höfding, H. The problems of philosophy 17, 286.
- Hölder, —, von. Ueber die körperlichen und geistigen Eigenthümlichkeiten der Verbrecher 3, 231.
- Hönigschmied, J. Kleine Beiträge, betreffend die Anordnung der Geschmacksknospen bei den Säugethieren 2, 476.
- Hollingworth, H. L., and Poffenberger, A. T., Jr. The sense of taste, 1917 29, 124.
- Holt, E. B. The place of illusory experience in a realistic world 24, 446.
- Honegger, J. Vergleichend-anatomische Untersuchungen über den Fornix und die zu ihm in Beziehung gebrachten Gebilde im Gehirn des Menschen und der Säugethiere 4, 299.
- Hopkins, A. A. Magic, stage illusions and scientific diversions, including trick photography 8, 406.
- Hoppe, J. Der entoptische Inhalt des Auges und das entoptische Sehfeld beim hallucinatorischen Sehen 1, 312.
- Horne, H. H. Free will and human responsibility 23, 471.
- Houssay, F. The industries of animals 6, 294.
- Howell, W. H., and Huber, G. C. A physiological, histological and clinical study of the degeneration and regeneration in peripheral nerve fibers after severance of connections with the nerve centers 6, 290.
- Howell, W. H., Budgett, S. P., and Leonard, E. The effect of stimulation and of changes in temperature upon the irritability and conductivity of nerve fibers 6, 446.
- Howison, G. H. The limits of evolution and other essays illustrating the metaphysical theory of personal idealism 12, 607.
- Huber, G. C., and Howell, W. H. A physiological, histological and clinical study of the degeneration and regeneration in peripheral nerve fibers after severance of connections with the nerve centers 6, 290.
- Hückel, A. Die Rolle der Suggestion bei gewissen Erscheinungen der Hysterie und des Hypnotismus 2, 315.
- Huey, E. B. The psychology and pedagogy of reading 19, 420. Backward and feeble-minded children 25, 453.
- Hughlings-Jackson, J. Remarks on evolution and dissolution of the nervous system 1, 336.
- Hunter, W. S. General psychology 30, 429.
- Hyslop, J. H. On Wundt's theory of psychic synthesis in vision 2, 159.
- Hyslop, T. B. Mental physiology, especially in its relation to mental disorders 7, 290.
- Ihering, R. von. Der Zweck im Recht 6, 143.
- Ireland, —. Torquato Tasso: a psychological study 5, 90.
- Jacobi, M. P. Note on the special liability to loss of nouns in aphasia 1, 189.
- James, W. The principles of psychology 3, 551, 578. The meaning of truth 21, 172. A pluralistic universe 21, 172.
- Janet, P. Les Névroses 20, 291. Alcoholism and mental depression 27, 574.
- Janet, P., and Raymond, F. Les obsessions et la psychasthénie 15, 589.
- Janke, —. Die willkürliche Hervorbringung des Geschlechts bei Menschen und Hausthieren 3, 246.

- Jastrow, J. The dreams of the blind 1, 313. The natural history of analogy 5, 110. Facts and fable in psychology 12, 399. The subconscious 17, 606.
- Jelgersma, G. Ueber den Bau des Säugethiersgehirns 2, 629.
- Jendrassik, E. Einiges über Suggestion 1, 717.
- Jenks, A. E. The Bontoc Igorot 16, 556.
- Jennings, H. S. The behavior of unicellular organisms 12, 141. Heredity, variation, and evolution in protozoa 20, 458.
- Jerusalem, W. Die Urtheilsfunction: Eine psychologische und erkenntniskritische Untersuchung 7, 432. Introduction to philosophy 22, 588.
- Jones, E. The action of suggestion in psychotherapy 22, 437. Papers on psychoanalysis 30, 239.
- Judd, C. H. Psychology, general introduction 19, 416.
- Kaes, T. Beiträge zur Kenntniss des Reichthums der Grosshirnrinde des Menschen an markhaltigen Nervenfasern 7, 281. Ueber den Markfasergehalt der Grosshirnrinde eines 1½-jährigen männlichen Kindes 7, 282. Ueber Grosshirnrindenmasse und über Anordnung der Markfasersysteme in der Rinde des Menschen, zugleich ein Beitrag zur Frage: Unterscheidet sich die Rinde des Kulturmenschen von den niederen Racen in Bezug auf Kaliber, Reichthum und Anordnung der markhaltigen Nervenfasern? 7, 283.
- Kahlbaum, —. Ueber Heboidophrenie 3, 214.
- Kaltenbach, J. Étude psychologique des plus anciens réveils religieux aux États-Unis 17, 435.
- Karl, A. Giovanni Segantini, ein psychoanalytischer Versuch 22, 441.
- Katzaroff, M. Expériences sur le rôle de la récitation comme facteur de la mémorisation 20, 146.
- Keller, R. Pädagogisch-psychometrische Studien 6, 468.
- Kellicott, W. E. The social direction of human evolution: an outline of the science of eugenics 24, 284.
- Kiernan, J. G. School-training of the insane 1, 190.
- Kirkpatrick, E. A. Genetic psychology: an introduction to an objective and genetic view of intelligence 21, 177.
- Kirn, —. Periodische Psychosen 3, 249.
- Kirschmann, A. Ein photometrischer Apparat zu psychophysischen Zwecken 2, 334. Ueber die Helligkeitsempfindung im indirecten Sehen 2, 477.
- Kirschmann, —. and Külpe, —. Ein neuer Apparat zur Controle zeitmessender Instrumente 4, 596.
- Kölliker, A. Die Bedeutung der Zellenkerne für die Vorgänge der Vererbung 3, 103. Zur feineren Anatomie des centralen Nerven-systems. Erster Beitrag: Das Kleinhirn 3, 546. Zur feineren Anatomie des centralen Nerven-systems. Zweite Beitrag: Das Rücken-Mark 3, 547.
- König, A., and Brodhun, E. Experimentelle Untersuchungen über die psychophysische Fundamentalformel in Bezug auf den Gesichtssinn 2, 330.
- Koenig, W. Ueber Gesichtsfeld-Ermüdung 6, 475.
- Koepfen, M. Zur Anatomie des Froschgehirns 1, 489.
- Köster, H. Ein Beitrag zur Kenntniss der feineren pathologischen Anatomie der Idiotie 3, 90.
- Korányi, A. V., and Loeb, J. Ueber Störungen der kompensatorischen und spontanen Bewegungen nach Verletzung des Grosshirns 4, 300.
- Korsakoff, S. S. Eine psychische Störung combinirt mit multipler Neuritis 4, 332. Ueber eine besondere Form psychischer Störung combinirt mit multipler Neuritis 4, 336.
- Korsakoff, S. S., and Serbski, W. Ein Fall von polyneuritic Psychose mit Autopsie 4, 338.
- Koster, —. Ueber die Gesetze des periodischen Irreseins 3, 249.
- Kostyleff, N. La crise de la psychologie expérimentale: le présent et l'avenir 23, 478.
- Kovalevsky, P. J. Ivrognerie, ses causes et son traitement 2, 499.

- Kraepelin, E. Ueber Erinnerungsfälschungen 1, 537. Ueber die Beeinflussung einfacher psychischer Vorgänge durch einige Arzneimittel 6, 301. Vergleichende Psychiatrie 15, 587.
- Krafft-Ebing, R. von. Eine experimentelle Studie auf dem Gebiete des Hypnotismus 2, 314.
- Krall, K. Denkende Tiere, Beiträge zur Tierseelenkunde auf Grund eigener Versuche 25, 131.
- Krauss, A. Die Psychologie des Verbrechens: ein Beitrag zur Erfahrungseelenkunde 3, 121.
- Kries, J. von. Zur Theorie der Gesichtsempfindungen 1, 311. Ueber Unterscheidungszeiten 1, 325. Ueber das Erkennen der Schallrichtung 3, 572.
- Kröner, E. Das körperliche Gefühl 1, 182. 3, 110.
- Krueger, F. Mitbewegungen beim Singen, Sprechen und Hören 24, 283.
- Kühne, W., and Chittenden, R. H. On Neurokeratin 3, 191.
- Külpe, O. Ueber die Gleichzeitigkeit und Ungleichzeitigkeit von Bewegungen 5, 424. Anfänge und Aussichten der experimentellen Psychologie 5, 426. Grundriss der Psychologie, auf experimenteller Grundlage dargestellt 6, 478. Einleitung in die Philosophie 7, 299. Die Realisierung. Ein Beitrag zur Grundlegung der Realwissenschaften. Band I. 25, 136.
- Külpe, —, and Kirschmann, —. Ein neuer Apparat zur Controle zeitmessender Instrumente 4, 596.
- Kuntze, J. E. Gustav Theodor Fechner 5, 422.
- Kuhnt. Histologische Studien an der menschlichen Netzhaut 3, 188.
- Lacassagne, A. Du dépeçage criminel 3, 229.
- Ladd, G. T. Elements of physiological psychology 1, 159. Psychology, descriptive and explanatory 6, 477.
- Ladd, G. T., and Woodworth, R. S. Elements of physiological psychology 23, 161.
- Ladd-Franklin, C. On theories of light sensation 6, 298.
- 'Lamont, F.,' and 'Morison, E.' An adventure 22, 448.
- Landmann, S. Die Mehrheit geistiges Persönlichkeiten in einem Individuum 6, 470.
- Lane, E. B. The so-called motor area of the cortex 4, 297.
- Lang, A. The secret of the totem 17, 284.
- Langdon, F. E. The sense organs of *Lumbricus agricola* (Hoffm.) 7, 284.
- Lange, L. Neu Experimente über den Vorgang der einfachen Reaction auf Sinneseindrücke 1, 531.
- Lange, N. Beiträge zur Theorie der sinnlichen Aufmerksamkeit und der activen Apperception 1, 326.
- Lange, P. F. Köstlivet i Opdragelsen 21, 507.
- Langley, —, and Sherrington, —. On pilo-motor nerves 4, 451.
- Langley, J. N., and Dickinson, W. L. On the progressive paralysis of the different classes of nerve-cells in the superior cervical ganglion 3, 556.
- Langley, S. P. Energy and vision 2, 328.
- Laprade, A. Contribution à l'étude de l'écriture en miroir 17, 597.
- Laquer, L. Zur Localization des sensorischen Aphasie 1, 723.
- Laurent, E. De la suggestion hypnotique chez les criminels 3, 125.
- Lavrand, H. Rééducation physique et psychique 22, 460.
- Lechallas, G. L'agrandissement des astres à l'horizon 2, 657.
- Le Conte, J. On some peculiarities of the phantom images formed by binocular combination of regular figures 2, 331.
- Le Dantec, F. L'individualité et l'erreur individualiste 9, 410.
- Lee, F. S. The functions of the ear and the lateral line in fishes 10, 152.
- Légard, C., and Fontan, J. Éléments de médecine suggestive 1, 511
- Legrain, —. Les folies à éclipse 22, 461.
- Lehmann, A. Ueber Wiedererkennen. Versuch einer experimentellen Bestätigung der Theorie der Vorstellungsassociationen 2, 169.
- Lemaitre, A. La vie mentale de l'adolescent et ses anomalies 22, 445.

- Lenhossék, M. A gerinczvelői idegek hátulsó gyökereiről 2, 633.
- Leonard, E., Howell, W. H., and Budgett, S. P. The effect of stimulation and of changes in temperature upon the irritability and conductivity of nerve fibers 6, 446.
- Le Roy, E. The new philosophy of Henri Bergson 24, 455.
- Letourneau, —. L'évolution du mariage et de la famille 3, 255.
- Leuba, J. H. The belief in God and immortality 28, 305.
- Lévy, P. The rational education of the will 26, 466.
- Lichtenberger, H. La philosophie de Nietzsche 9, 599. Friedrich Nietzsche, aphorismes et fragments choisis 11, 124.
- Lichtwitz, L. Les anaesthésies hystériques des muqueuses et des organes de sens, et les zones hystéro-gènes des muqueuses 1, 510.
- Liébeault, A. A. Étude sur le zoomagnétisme 1, 522. Emploi de la suggestion hypnotique pour l'éducation des enfants et des adolescents 2, 323.
- Liégeois, J. De la suggestion et du somnambulisme dans leurs rapports avec la jurisprudence et la médecine légale 1, 721. Un nouvel état psychologique 1, 721. Des expertises médico-légales en matière d'hypnotisme; recherche de l'auteur d'une suggestion criminelle 1, 722.
- Likonsky, —. Die Bedeutung der Mimik für Diagnose des Irrseins 1, 341.
- Lind, E. Autobiography of an androgyne 30, 239.
- Lindner, G. A. Manual of empirical psychology 3, 140.
- Lintier, P. Ma pièce [and] Le tube 1233 29, 453.
- Lipmann, O. Grundriss der Psychologie für Pädagogen 20, 467.
- Lipps, G. F. Das Problem der Willensfreiheit 24, 448.
- Lipps, T. Ueber eine falsche Nachbildlokalisation und damit Zusammenhängendes 3, 290. Die Raumschauung und die Augenbewegung 5, 99. Optische Streitfragen 6, 462. Raumaesthetik und geometrisch-optische Täuschungen 9, 396.
- Lloyd, A. H. The will to doubt 19, 430.
- Lloyd, W. E., and Cheney, A. E. Psychology, normal and abnormal 20, 292.
- Locy, W. A. Contributions to the structure and development of the vertebrate head 8, 126. Biology and its makers 19, 424.
- Lodge, O. The survival of man: a study in unrecognized human faculty 21, 505.
- Loeb, J. Untersuchungen über den Fühlraum der Hand 1, 319. Untersuchungen über die Orientierung im Fühlraum der Hand und im Blickraum 2, 653. Der Heliotropismus der Thiere, und seine Uebereinstimmung mit dem Heliotropismus der Pflanzen 3, 128.
- Loeb, J., and Korányi, A. V. Ueber Störungen der kompensatorischen und spontanen Bewegungen nach Verletzung des Grosshirns 4, 300.
- Loewenfeld, L. Ueber die Sexualität im Kindesalter 23, 317.
- Loisy, A. Mors et vita 29, 451.
- Lombard, W. P. Die räumliche und zeitliche Aufeinanderfolge reflectorisch contrahirter Muskeln 2, 163.
- Lombroso, C. Genie und Irrsinn, in ihren Beziehungen zum Gesetz, zur Kritik und zur Geschichte 1, 451. L'homme criminel, étude anthropologique et médico-légale 3, 116. L'homme de génie 3, 221.
- Lowell, F., and Woodrow, H. Children's association frequency tables 28, 461.
- Lubbock, J. The senses of animals 2, 171.
- Luciani, L. Il cervello: nuovi studi di fisiologia normale e pathologica 5, 541. Les origines de la vie 6, 139.
- Luciani, L., and Seppilli, G. Die Functions-Localization auf der Grosshirnrinde 1, 170.
- Luft, E. Ueber die Unterschiedsempfindlichkeit für Tonhöhen 1, 528.
- Luys, H. Les émotions chez les sujets en état d'hypnotisme 1, 504.
- Lydston, —, and Talbot, —. Studies of criminals 5, 108.

- MacCulloch, J. A. Religion: its origin and forms 17, 137.
- MacDonald, A. Abnormal women. A sociological and scientific study of young women, . . . 7, 293.
- MacKenzie, J. S. Outlines of metaphysics 13, 319.
- Mackenzie, W. I cavalli pensanti di Elberfeld 25, 134.
- Maggiora, A. Les lois de la fatigue étudiées dans les muscles de l'homme 3, 377.
- Mairet, —. Folie post-opératoire 4, 328.
- Mairet, A., and Combemale. Influence dégénérative de l'alcool sur la descendance 2, 173.
- Mairet, —, and Bosc, —. Recherches sur les causes de la toxicité de l'urine normale 5, 76. Aliénation mentale par troubles de la nutrition, preuves expérimentales de l'existence de ce genre d'aliénation 5, 77.
- Malapert, P. Les éléments du caractère et leurs lois de combinaison 9, 407.
- Mallery, G. Pictographs of the North American Indians 1, 348.
- Mantegazza. Anthropologisch-kulturhistorische Studien der Geschlechtsverhältnisse des Menschen 3, 253. Ekstasen des Menschen 3, 251.
- March, J. L. A theory of mind 20, 148.
- Marchand, F. Beschreibung dreier Mikrocephalen-Gehirne nebst Vorstudien zur Anatomie der Mikrocephalie. Abtheilung I 3, 91.
- Marchi, V. Sull'origine e decorso dei peduncoli cerebellari e sui loro rapporti cogli altri centri nervosi 5, 545.
- Marchi, V., and Algeri, G. Sulle degenerazioni discendenti consecutive a lesioni sperimentali in diverse zone della corteccia cerebrale 1, 328.
- Marie, A. Les dégénérescences auditives 22, 460.
- Marinesco, G. Recherches sur la structure de la partie fibrillaire de cellules nerveuses à l'état normal et pathologique 15, 591.
- Marshall, H. R. Pain, pleasure and aesthetics 6, 484. 7, III.
- Martens, W. Ueber das Verhalten von Vocalen und Diphthongen in gesprochenen Worten. Untersuchung mit dem Sprachzeichner 2, 482.
- Martin, E. G. The measurement of induction shocks. A manual for the quantitative use of faradic stimuli 24, 453.
- Martin, L. J., and Mueller, G. E. Zur Analyse der Unterschiedsempfindlichkeit 11, 266.
- Martius, G. Ueber die scheinbare Grösse der Gegenstände und ihre Beziehung zur Grösse der Netzhautbilder 2, 658. Ueber die muskuläre Reaction und die Aufmerksamkeit 3, 382. Ueber die Lehre von der Beeinflussung des Pulses und der Atmung durch psychische Reize 17, 427.
- Masje, A. Untersuchungen über die Wärmestrahlung des menschlichen Körpers 1, 320.
- Mason, O. T. The origins of invention. A study of industry among primitive peoples 7, 133.
- Masselon, R. La démence précoce 16, 552.
- Masselon, R., and Meunier, P. Les rêves et leur interprétation 22, 124, 461.
- Maticcevic, S. Zur Grundlegung der Logik; ein Beitrag zur Bestimmung des Verhältnisses zwischen Logik und Psychologie 20, 590.
- Maudsley, H. Remarks on crime and criminals 1, 728.
- Maxfield, F. N. An experiment in linear space perception 25, 139.
- Maxim, H. The science of poetry and the philosophy of language 22, 458.
- May, K. Ueber das Geruchsvermögen der Krebse 1, 555.
- McCabe, J. The evolution of mind 22, 453.
- McComb, S., Coriat, I. H., and Worcester, E. Religion and medicine 19, 427.
- McCosh, J. Psychology. The cognitive powers 1, 146.
- McCulloch, O. C. The tribe of Ishmael, a study in social degradation 3, 399.
- McDougall, W. An introduction to social psychology 20, 285. Body and mind 23, 162.
- McKim, W. D. Heredity and human progress 12, 275.
- McLellen, J. A., and Dewey, J. The psychology of number and its applications to methods of teaching arithmetic 7, 300.
- Mehnert, E. Biomechanik 10, 308.

- Meige, H., and Feindel, E. Der Tic, sein Wesen und seine Behandlung 15, 592.
- Meigs, A. V. A study of the paths of secondary degeneration in a case of injury of the cervical spine 3, 555.
- Mellus, E. I. Experimental degenerations following unilateral lesions of the cortex cerebri in the bonnet monkey (*Macacus sinicus*) 7, 274.
- Mendel, E. Klinische Beiträge zur Melancholie 3, 216. Die pathologische Anatomie der Dementia paralytica 3, 560. Textbook of psychiatry, a psychological study of insanity 18, 525.
- Mercante, V. La crisis de la pubertad y sus cosecuencias pedagogicas 30, 237.
- Mercier, C. Coma 1, 186. The nervous system and the mind 1, 691.
- Meriwether, L. The tramp at home 3, 402.
- Merkell, J. Die Abhängigkeit zwischen Reiz und Empfindung 2, 332.
- Mertins, G. F. A watcher of the skies 23, 164.
- Meumann, E. Vorlesungen zur Einführung in die experimentelle Pädagogik und ihre psychologische Grundlagen 19, 568. The psychology of learning: an experimental investigation of the economy and technique of memory 26, 304.
- Meunier, P., and Masselon, R. Les rêves et leur interprétation 22, 124, 461.
- Meunier, R., and Vaschide, N. La pathologie de l'attention 20, 141. La psychologie de l'attention 22, 462.
- Meyer, L. Zur pathologischen Anatomie der Dementia paralytica 3, 563.
- Mayer, M. The nervous correlate of pleasantness and unpleasantness 20, 148.
- Meyers, —. The subliminal consciousness 5, 425.
- Milhaud, G. Essai sur les conditions et les limites de la certitude logique 9, 409.
- Miller, E. T., and Bolton, T. L. On the validity of the ergograph as a measure of work capacity 15, 307.
- Mills, C. K. Arrested and aberrant development of fissures and gyres in the brains of paranoiacs, criminals, idiots, and negroes 1, 342.
- Mingazzini, G. Osservazioni cliniche ed anatomiche sulle demenze post-apoplettiche 18, 527.
- Minot, C. S. Second report on experimental psychology: upon the diagram tests 2, 483.
- Misawa, T. Modern educators and their ideals 20, 462.
- Misch, G. Geschichte der Autobiographie 19, 415.
- Mitchell, D. The influence of distractions on the formation judgments in lifted weight experiments 26, 302.
- Mitchell, P. C. Evolution and the war 27, 577.
- Mitchell, S. Weir. Aneurism of an anomalous artery causing antero-posterior division of the chiasm of the optic nerves and producing bitemporal hemianopsia 2, 470. Doctor and patient 5, 93.
- Möbius, P. J. J. J. Rousseau's Krankheitsgeschichte 3, 406.
- Moll, A. Berühmte Homosexuelle 23, 130. The sexual life of the child 24, 285.
- Monakow, C. von. Experimentelle und pathologisch-anatomische Untersuchungen über die optischen Centren und Bahnen 2, 623. Makroskopische pathologisch-anatomische Hirnpräparate 2, 626. Striæ acusticæ und untere Schleife 3, 549.
- Monin, E. Les odeurs du corps humain dans l'état de santé et dans l'état de maladie 1, 732. L'alcoolisme, étude médico-sociale 2, 498.
- Montgomery, T. H. The analysis of racial descent in animals 17, 602.
- Moore, C. C. A treatise on facts, or the weight and value of evidence 20, 136.
- Moore, G. E. Ethics 24, 449.
- Moore, T. V. The process of abstraction: an experimental study 22, 589.
- Morat, J. P. Physiology of the nervous system 17, 605.
- Mordell, A. The erotic motive in literature 30, 431.
- 'Morison, E.', and 'Lamont, F.' An adventure 22, 448.
- Morley, J. Rousseau 3, 406.
- Morselli, —. Le leggi statistiche del suicidio secondo gli ultimi documenti 1, 351.
- Mosso, A. Les lois de la fatigue étudiées dans les muscles de l'homme 3, 379. Les phénomènes psychiques et la temperature du cerveau 5, 540.

- Mosso, U. Einfluss des Nervensystems auf die thierische Temperatur 1, 321.
- Mott, F. W. Complete sclerosis of Goll's columns and chronic spinal leptomeningitis with degenerative changes in the fibres of the anterior and posterior roots 3, 533.
- Müller, F. C. Physiologische Studien über Psychophysik 1, 184. Psychopathologie des Bewusstseins für Aerzte und Juristen 3, 269.
- Müller, G. E. Die Theorie der Muskelcontraktion 2, 490.
- Müller, G. E., and Martin, L. J. Zur Analyse der Unterschiedsempfindlichkeit 11, 266.
- Müller, G. E., and Schumann, F. Ueber die psychologischen Grundlagen der Vergleichung gehobener Gewichte 2, 650. Experimentelle Beiträge zur Untersuchung des Gedächtnisses 6, 299.
- Müller-Freienfels, R. Das Denken und die Phantasie: psychologische Untersuchungen nebst Exkursen zur Psychopathologie, Aesthetik und Erkenntnistheorie 27, 440.
- Müller-Lyer, F. C. Experimentelle Untersuchungen zur Amblyopiefrage 2, 158. Optische Urtheilstäuschungen 3, 207; 6, 461. Psychophysische Untersuchungen 3, 209.
- Münsterberg, H. Die Willenshandlung: ein Beitrag zur physiologischen Psychologie 1, 534. Beiträge zur experimentellen Psychologie 2, 645; 5, 275. Der Zeitsinn 3, 129. Schwankungen der Aufmerksamkeit 3, 130. Augenmass 3, 131. Raumsinn des Ohres 3, 132. Neue Grundlegung der Psychophysik 3, 209. Die Association successiver Vorstellungen 3, 384. Grundzüge der Psychologie 12, 273. 15, 295. The eternal life 16, 398. Philosophie der Werte: Grundzüge einer Weltanschauung 19, 408. Psychotherapy 20, 460. The eternal values 20, 583. Psychology and the teacher 21, 173. Grundzüge der Psychotechnik 26, 306. Psychology, general and applied 26, 464.
- Münzer, E., and Singer, J. Beiträge zur Kenntniss der Sehnervenkreuzung 2, 469.
- Mumford, E. E. R. The dawn of character: a study of child life 22, 446.
- Munk, H. Ueber die centralen Organen für das Sehen und das Hören bei den Wirbelthieren 2, 627.
- Munro, R. Paleolithic man and terramara settlements in Europe 24, 590.
- Myers, C. S. Text-book of experimental psychology 20, 462. A text-book of experimental psychology with laboratory exercises 23, 144.
- Myers, F. W. H. Human personality and its survival of bodily death 14, 116.
- Nadejde, D. C. Die biologische Theorie der Lust und Unlust 19, 405.
- Näcke, P. Ueber tardive Homosexualität 23, 318.
- Nagel, W. A. Die Sensibilität der Conjunctiva und Cornea des menschlichen Auges 7, 115.
- Nansen, F. The structure and combination of the histological elements of the central nervous system 1, 487.
- Napoleoni, C. Concetto e limiti della sociologia criminale 3, 118.
- Naunyn, —. Ueber die Auslösung von Schmerzempfindung durch Summation sich zeitlich folgender sensibler Erregungen. Ein Beitrag zur Physiologie des Schmerzes 2, 503.
- Neiglick, H. Zur Psychophysik des Lichtsinns 1, 310.
- Nelken, J. Ueber schizophrene Wortzerlegungen 23, 138.
- Nelson, J. The significance of sex 1, 543.
- Netschajeff, A. Sowremennaja experimentalnaja psychslogija w jejr otnoshenii k woprossam schkolnago obouchenija 12, 602.
- Nicati, W. La psychologie naturelle 10, 601.
- Nichols, H. The origin of pleasure and pain 7, 115. A treatise on cosmology 16, 542.
- Nicolai, G. F. Die physiologische Methodik zur Erforschung der Tierpsyche, ihre Möglichkeit und ihre Anwendung 19, 275.
- Nordau, M. Dégénérescence 6, 472.

- Nordmann, C. A revolution in biology and surgery. Dead grafts 30, 316.
- Norman, C. A rare form of mental disease (Grübelnsucht) 2, 176. Acute confusional insanity 4, 326.
- Norsworthy, N., and Whitley, M. T. The psychology of childhood 30, 117.
- Northcote, H. Christianity and sex problems 17, 608.
- Nothnagel, H. Ueber die Localization der Gehirnkrankheiten 1, 493.
- Novi, J. La concentrazione del sangue come condizione di stimolo del sistema nervoso centrale 1, 694.
- Obersteiner, H. Anleitung beim Studium des Baues der nervösen Centralorgane im gesunden und kranken Zustande 2, 304. Second edition 4, 456.
- Ochorowicz, J. De la suggestion mentale 1, 499.
- Oehrn, A. Experimentelle Studien zur Individualpsychologie 2, 649.
- Oertel, H. On the association of numerals 13, 450.
- Ogden, R. M. An introduction to general psychology 26, 462.
- Oliver, C. A. An analysis of the ocular symptoms found in the third stage of general paralysis of the insane 3, 566. History of a case of sarcoma of genu of the corpus callosum, presenting symptoms of profound hysteria: With autopsy 4, 298.
- Oppenheimer, Z. Schmerz und Temperaturempfindung 6, 649; 7, 117.
- Orana, G. La recidiva nei reati, studio sperimentale 3, 391.
- Ormond, A. T. Concepts of philosophy 18, 372.
- Orschansky, J. Ueber Bewusstseinsstörungen und deren Beziehungen zur Verrücktheit und Dementia 2, 336. Zur Lehre von der Willensthätigkeit 3, 134.
- Ossipoff, —, and Bajenoff, —. La suggestion et ses limites 22, 462.
- Ottolenghi, —. Nuove osservazioni sul campo visivo in psicopatici 4, 473.
- Ottolenghi, S., and Rossi, G. Tipi di criminali nati 3, 385.
- Partridge, G. E. An outline of individual study 23, 153. The genetic philosophy of education 24, 137.
- Passy, J. Sur les minimums perceptibles de quelques odeurs 5, 96.
- Patten, S. N. Heredity and social progress 15, 113.
- Patini, E. Contributo allo studio sperimentale della formula endofasica 19, 282. L'inibizione motrice; studiata sperimentalmente negli ammalati di mente 19, 281.
- Paton, S. Psychiatry 16, 555.
- Payot, J. De la croyance 8, 311.
- Peckham, E. G., and G. W. Some observations on the mental powers of spiders 1, 716.
- Pelletier, M. Les lois morbides de l'association des idées 15, 590.
- Perez, —. La maladie du pessimisme 5, 113.
- Perez, C., and Zelig, I. S. Bill Pratt, the saw-buck philosopher 7, 294.
- Perrier, J. L. The revival of scholastic philosophy in the nineteenth century 20, 586.
- Petersen, A. M., and Doll, E. A. Sensory discrimination in normal and feeble-minded children 26, 614.
- Petronievics, B. Principien der Metaphysik 24, 135, 294.
- Pfander, A. Einführung in die Psychologie 16, 138.
- Pfeiffer, L. Ueber Vorstellungstypen 20, 147.
- Pfister, O. Die Frömmigkeit des Grafen Ludwig von Zinzendorf 22, 416. Die psychologische Enträtselung der religiösen Glossolalie und der automatischen Kryptographie 23, 135. Hysterie und Mystik bei Margaretha Ebner 23, 122.
- Pfungst, O. Das Pferd des Herrn von Osten (Der kluge Hans): ein Beitrag zur experimentellen Tier- und Menschen-Psychologie 19, 422. Clever Hans, the horse of Mr. Von Osten 25, 131.
- Philip, A. The dynamic foundation of knowledge 24, 587. Essays towards a theory of knowledge 27, 287.

- Piat, C. *La personne humaine* 9, 412.
- Pick, A. *Zur Pathologie des Gedächtnisses* 1, 332. *Studien zur Hirnpathologie und Psychologie* 19, 283.
- Piéron, H., and Toulouse, E. *Technique de psychologie expérimentale de Toulouse, Vaschide et Piéron* 22, 593.
- Pillsbury, W. B. *L'Attention* 17, 593. *Attention* 19, 268. *The fundamentals of psychology* 28, 302.
- Pintner, R. *The standardization of Knox's cube test* 27, 284.
- Podmore, G. F. *Apparitions, thought-transference and an examination of the evidence of telepathy* 7, 135.
- Poffenberger, A. T., Jr. *Reaction time to retinal stimulation, with special reference to the time lost in conduction through nerve centers* 24, 132.
- Poffenberger, A. T., Jr., and Hollingworth, H. L. *The sense of taste* 29, 124.
- Poulton, E. B. *Charles Darwin and the origin of species: Addresses, etc., in America and England in the year of the two anniversaries* 21, 336.
- Powell, E. E. *Spinoza and religion* 18, 371.
- Powell, W. J. *Tachyhippodamia* 1, 350.
- Preyer, W. *Die Wahrnehmung der Schallrichtung mittelst der Bogengänge* 1, 314.
- Prince, M. *The dissociation of a personality* 17, 280.
- Prout, T. P. *Report in pathology (upon gross and microscopical lesions found in thirty-eight cases, autopsies of insane patients)* 6, 450.
- Puffer, E. D. *The psychology of beauty* 16, 546.
- Putnam, J. J. *Personal impressions of Sigmund Freud and his work, with special reference to his recent lectures at Clark University* 22, 439. *Human motives* 27, 287.
- Rabenort, W. L. *Spinoza as educator* 23, 152.
- Radoslawow-Hadji-Denkow. *Untersuchungen über das Gedächtniss für räumliche Distanzen des Gesichtssinnes* 11, 125.
- Radoslawjewitsch, P. R. *Das Behalten und Vergessen bei Kindern und Erwachsenen nach experimentellen Untersuchungen* 19, 274.
- Ramon y Cajal, S. *Einige Hypothesen über den anatomischen Mechanismus der Ideenbildung, der Association und der Aufmerksamkeit* 7, 428.
- Rank, O. *Das Verlieren als Symptomhandlung* 23, 129. *Das Inzest-Motiv in Dichtung und Sage. Grundzüge einer Psychologie des dichterischen Schaffens* 23, 591.
- Rawitz, B. *Das zentrale Nervensystem der Acephalen* 1, 488.
- Raymond, F., and Janet, P. *Les obsessions et la psychasthénie* 15, 589.
- Regis, —. *Note sur le diagnostic différentiel de la lypémanie hypocondriaque et de la paralysie générale progressive* 5, 87.
- Regnard, P. *Les maladies épidémiques de l'esprit, sorcellerie, magnétisme, morphimisme, délire des grandeurs* 1, 496.
- Regnaud, P. *Comment naissent les mythes* 9, 411.
- Rehmke, J. *Zur Lehre vom Gemüt* 23, 155.
- Reinach, J. *Les récidivistes* 3, 391.
- Reitler, R. *Eine infantile Sexualtheorie und ihre Beziehung zur Selbstmord-symbolik* 23, 310.
- Rémond, A. *Recherches expérimentales sur la durée des actes psychiques les plus simples et sur la vitesse des courants nerveux à l'état normal et à l'état pathologique* 2, 486.
- Renterghem, A. W. van, and Eeden, F. van. *Clinique de Psycho-Thérapie suggestive fondée à Amsterdam* 2, 666.
- Retzius, G. *Biologische Untersuchungen* 7, 425.
- Révész, G. *Zur Grundlegung der Tonpsychologie* 25, 452.
- Ribot, T. *Psychologie de l'attention* 2, 340. *Essai sur les passions* 19, 261. *Problèmes de psychologie affective* 21, 176.
- Richer, P., and Charcot, J. M. *Les démoniaques dans l'art* 1, 495.

- Richet, C. Relation de diverses expériences sur la transmission mentale, la lucidité, et autres phénomènes non explicables par les données scientifiques actuelles 2, 164.
- Richter, A. Ueber die Windungen des menschlichen Gehirns: II Ueber die Entstehung der Grosshirnwindungen 1, 694.
- Richter, F. Change in the composition and function of the brain by psychic influence 1, 343.
- Rignano, E. De l'origine et de la nature mnémoniques des tendances affectives 22, 311. Qu'est-ce que le raisonnement? 24, 592. Qu'est-ce que le raisonnement? 2-me Partie—De l'intuition à la déduction 25, 308.
- Riklin, F. Wunscherfüllung und Symbolik im Märchen 19, 432.
- Rittmeyer, K. Geschmacksprüfungen 2, 160.
- Rivers, W. H. R. The influence of alcohol and other drugs on fatigue 19, 436.
- Robert, W. Der Traum als Naturnothwendigkeit erklärt 1, 330.
- Robertson, G. C. Elements of general philosophy 8, 309.
- Rocques, —. De l'alcoolisme et de la paralysie générale 5, 87.
- Roda, —. Ueber die psychiatrische Nomenclatur "Verrücktheit" und "Wahnsinn" 3, 218.
- Roerich, —. L'attention spontanée dans la vie ordinaire, et ses applications pratiques 18, 145.
- Rood, O. N. On a photometric method which is independent of color 6, 296.
- Roscoe, J. The Baganda: an account of their native customs and beliefs 23, 335.
- Rosenbaum, E. Warum müssen wir schlafen? Eine neue Theorie des Schlafes 6, 307.
- Ross, E. A. Social psychology—an outline and source book 19, 570.
- Ross, J. On the psychical disorders of multiple neuritis 4, 339.
- Rossi, G., and Ottolenghi, S. Tipi di criminali nati 3, 385.
- Rouillard, —. Deux cas de scarlatine compliquée de troubles mentaux 5, 74.
- Rousset, —. Du rôle de l'alcoolisme dans l'étiologie de la paralysie générale 5, 89.
- Rowe, S. H. The physical nature of the child, and how to study it 11, 124.
- Rowland, E. H. The right to believe 21, 506.
- Royce, J. The world and the individual 11, 596. The philosophy of loyalty 19, 409. Race questions, provincialism, and other American problems 20, 588.
- Russell, J. S. R. Experimental researches into the function of the cerebellum 7, 276. An experimental investigation of eye movements 7, 279. Defective development of the cerebellum of a puppy 7, 427.
- Russell, J. S. R., and Campbell, A. W. Degenerations consequent on experimental lesions of the cerebellum 7, 276.
- Rutz, O. Sprache, Gesang und Körperhaltung: Handbuch zur Typenlehre Rutz 22, 450.
- Sachs, B. Contributions to the pathology of infantile cerebral palsies 4, 299.
- Sadger, J. Aus dem Liebesleben Nicolaus Lenaus 22, 430.
- Saleeby, C. W. Parenthood and race culture: an outline of eugenics 22, 456.
- Savage, C. H. Some of the relationships between epilepsy and insanity 1, 338.
- Sawin, C. D. Criminals 3, 393.
- Schaefer, E. A. Experiments on special sense localizations in the cortex cerebri of the monkey 1, 699. A comparison of the latency periods of the ocular muscles on excitation of the frontal and occipito-temporal regions of the brain 2, 145. On electrical excitation of the occipital lobe and adjacent parts of the monkey's brain 2, 146. The nerve cell considered as the basis of neurology 6, 288.
- Schaefer, K. Suggestion und reflex 7, 438.
- Schaefer, K. L. Ueber die Wahrnehmung und Lokalisation von Schwebungen und Differenztönen 3, 383.
- Schiller, H. Studien und Versuche über die Erlernung der Orthographie 10, 306.

- Schischmanow, I. Untersuchungen über die Empfindlichkeit des Intervallsinnes 3, 134.
- Schmidt, —, and Alt, K. Untersuchungen über den electrischen Leitungswiederstand der thierischen Gewebe 6, 293.
- Schmitt, C. Standardization of tests for defective children 27, 283.
- Scholz, F. Schlaf und Traum 1, 331.
- Schrader, E. Die bewusste Beziehung zwischen Verstellungen als konstitutives Bewusstseinsmoment 6, 305.
- Schrader, M. E. G. Zur Physiologie des Vogelgehirns 2, 471.
- Schrenck-Notzing, A. von. Ein Beitrag zur therapeutischen Verwerthung des Hypnotismus 2, 319.
- Schulz, R. Ueber die therapeutische Verwendung der Hypnose 1, 518.
- Schumann, F. Ueber Contrasterscheinungen in Folge von Einstellung: Eine vorläufige Mittheilung 3, 133. Ueber das Gedächtnis für Komplexe regelmässig aufeinander folgender, gleicher Schalleindrücke 3, 290.
- Schumann, F., and Müller, G. E. Ueber die psychologischen Grundlagen der Vergleichung gehobener Gewichte 2, 650. Experimentelle Beiträge zur Untersuchung des Gedächtnisses 6, 299.
- Schwartzkopff, P. Das Leben im Traum 1, 331.
- Schwarz, H. Die Umwälzung der Wahrnehmungshypothesen durch die mechanische Methode. Nebst einem Beitrag über die Grenzen der physiologischen Psychologie 7, 287.
- Schwarze, K. Herbert Spencer 20, 583.
- Scripture, E. W. Ueber den associativen Verlauf der Verstellungen 4, 465. Thinking, feeling, doing 7, 146.
- Séglas, T., and Chaslin, P. Katatonia 3, 212.
- Seppilli, G., and Luciani, L. Die Functions-Localization auf der Groshirnrinde 1, 170.
- Serbski, W., and Korsakoff, S. S. Ein Fall von polyneuritic Psychose mit Autopsie 4, 338.
- Sergi, G. Ricerche di psicologia sperimentale 2, 485. Su alcuni caratteri del senso tattile, osservazioni sperimentali 5, 105.
- Sergi, S. Contributo allo studio del lobo frontale et parietale nelle razze umane 22, 318. Sulla craniologia degli Herero 22, 317.
- Shakespeare, J. The Lushei Kuki clans 24, 287.
- Sharga, I. K. Examination of Prof. William James's psychology 22, 447.
- Shepard, J. F. The circulation and sleep 26, 617.
- Sherman, L. A. University studies. Nebraska University. Volume I, No. IV. 6, 144.
- Sherrington, C. S. On nerve tracts degenerating secondarily to lesions of the cortex cerebri 2, 631.
- Sherrington, —, and Langley, —. On pilo-motor nerves 4, 451.
- Shinn, M. W. Notes on the development of a child: II—The development of the senses in the first three years of childhood 20, 142.
- Shulze, R. Experimental psychology and pedagogy 24, 292.
- Sidis, B. The doctrine of primary and secondary elements 19, 270.
- Siebeck, —. Beiträge zur Entstehungs-Geschichte der neueren Psychologie 5, 278.
- Sighele, S. Psychologie des Sectes 9, 596.
- Simon, T., and Binet, A. Mentally defective children 26, 467.
- Singer, J., and Münzer, E. Beiträge zur Kenntniss der Sehnervenkreuzung 2, 469.
- Sirotnin, W. Die punctförmig begrenzte Reizung des Froschrückenmarkes 1, 188.
- Slonaker, J. R. A comparative study of the point of acute vision in the vertebrates 8, 129.
- Smith, G. The melancholy of Stephen Allard 7, 291.
- Snell, L. Die Ueberschätzungsideen der Paranoia 3, 217.
- Snider, D. J. Ancient European philosophy 16, 134.
- Sollier, P. Le doute 21, 170.

- Somer, W. Beiträge zur Kenntniss der Militärpsychosen 1, 187.
- Sommer, R. Goethe's Wetzlarer Verwandtschaft 19, 429.
- Soury, J. Le système nerveux central 11, 593.
- Spaulding, E. G. The new rationalism; the development of a constructive realism upon the basis of modern logic and science, and through the criticism of opposed philosophical systems 29, 455.
- Spehl, E. De la répartition du sang circulant dans l'encéphale 1, 327.
- Spencer, B. Native tribes of the northern territory of Australia 26, 460.
- Spencer, B., and Gillen, F. J. Across Australia 23, 587.
- Spencer, H. Facts and comments 13, 452.
- Sperling, —. Einige therapeutische Versuche mit der Hypnose 1, 719.
- Spiller, G. The mind of man 16, 243.
- Spitta, H. Die psychologische Forschung und ihre Aufgabe in der Gegenwart; Akademische Antrittsrede 3, 139.
- Stanley, H. M. Studies in the evolutionary psychology of feeling 7, 295.
- Starr, M. A. Apraxia and Aphasia 2, 174. Brain surgery 6, 443.
- Steiner, J. Untersuchungen über die Physiologie der Froschhirns 3, 182. Ueber das Centralnervensystem der grünen Eidechse nebst weitem Untersuchungen über das des Haifisches 3, 184. Die functionen des Centralnervensystems und ihre Phylogenese: 2te Abth.—Die Fische 3, 185.
- Stern, L. W. Über Psychologie der individuellen Differenzen (Ideen zu einer Differentiellen Psychologie) 12, 270.
- Stevens, G. T. A treatise on the motor apparatus of the eyes 18, 526.
- Stewart, C. C. Influence of acute alcohol poisoning on nerve cells 9, 128.
- Stoddard, W. H. B. Mind and its disorders 20, 291.
- Stölting, B., and Burns, L. Ein Fall von Alexie mit rechtsseitiger homonymer Hemianopsie ("subcortical Alexie," Wernicke) 2, 175.
- Storfer, A. J. Zur Sonderstellung des Vatersmordes 23, 319.
- Stout, G. F. Apperception and the movement of attention 6, 650. Analytic psychology 8, 425.
- Strasburger, E. Die Stofflichen Grundlagen der Vererbung im organischen Reich 17, 433.
- Stratton, G. M. Experimental psychology and its bearing upon culture 14, 256.
- Strong, C. A. Why the mind has a body 15, 302.
- Stucchi, G. I misteri della scrittura. Lettura tenuta al Circolo sociale Trevigiano il 16 Aprile, 1893 6, 648.
- Sumner, W. G. Folkways, a study of the sociological importance of usages, manners, customs, mores and morals 18, 376.
- Sutherland, A. The origin and growth of the moral instinct 10, 148.
- Swedenborg, —. The delights of wisdom pertaining to conjugal love and the pleasures of insanity pertaining to scortatory love 3, 257. The soul, or rational psychology 3, 112.
- Swoboda, H. Die Perioden des menschlichen Organismus in ihrer psychologischen und biologischen Bedeutung 15, 309.
- Takács, A. Verlauf der hinteren Wurzelfasern im Rückenmarke; Aufbau und Degeneration der im hinteren Theile des Rückenmarkes gelegenen, weissen Substanz (bei Tabes) 1, 491.
- Talbot, P. A. In the shadow of the bush 24, 593.
- Talbot, —, and Lydston, —. Studies of criminals 5, 108.
- Tallack, W. Penological and preventive principles, with special reference to Europe and America 3, 122.
- Tanner, A. E. Studies in spiritism 22, 122.
- Tannery, P. Psychologie mathématique et psychophysique 1, 533.
- Tanzi, E. Die Temperaturschwankungen des Gehirns in Beziehung zu Gemüths-emotionen 1, 697.
- Tarchanoff, J. K. Zur Physiologie des Geschlechtsapparates des Frosches 1, 323. Ueber die galvanischen Erscheinungen in der Haut des Menschen bei Reizungen der Sinnesorgane und bei verschiedenen Formen der psychischen Thätigkeit 2, 652.

- Tarde, G. *Les lois de l'imitation* 3, 267.
- Taylor, —. Effect on women of imperfect hygiene of the sexual function 3, 258.
- Taylor, H. L. *Hygiene of reflex action* 1, 731.
- Terman, L. M. *The intelligence of school children* 30, 430.
- Thayer, —. A case of melancholia following typhoid fever 5, 76.
- Thayer, A. H. An arrangement of the theories of mimicry and warning colors 21, 500.
- Thayer, G. H. *Concealing colorations in the animal kingdom: an exposition of the laws of disguise through color and pattern* 21, 502.
- Thiele, G. *Die Philosophie des Selbstbewusstseins und der Glaube an Gott, Freiheit, Unsterblichkeit* 8, 140.
- Thilly, F. *A history of philosophy* 25, 461.
- Thomas, W. I. *Sex and society* 18, 266.
- Thorndike, E. L. *Animal intelligence: An experimental study of the associative processes in animals* 10, 149. *An introduction to the theory of mental and social measurements* 16, 139. *The elements of psychology* 16, 402. 18, 373. *Measurements of twins* 19, 142. *Animal intelligence* 23, 142.
- Tille, A. *Von Darwin bis Nietzsche* 8, 310.
- Tillier, —. *L'instinct sexuel chez l'homme et chez les animaux* 3, 252.
- Tilt, —. *Change of life* 3, 112.
- Timmer, J., and Winkler, C. *Anatomische aantekeningen naar aanleiding van een geval van atrophie van het linker corpus mamillare* 2, 472.
- Titchener, E. B. *A primer of psychology* 10, 150. *Experimental psychology. A manual of laboratory practice. Volume I, Qualitative experiments, Part 1, Student's manual; Part 2, Instructor's manual* 12, 596. *Experimental psychology. Volume II, Quantitative experiments, Part 2, Instructor's manual* 17, 290, 585. *The psychology of feeling and attention* 19, 569. *A text book of psychology* 22, 313.
- Todd, J. W. *Reaction to multiple stimuli* 24, 134.
- Török, A. von. *Ueber ein Universal-Kraniometer zur Reform des kranimetrischen Methodik* 3, 235.
- Toropoff, N. K. *Conditioned reflexes excited by visual stimuli in the dog following extirpation of the occipital lobes* 24, 279.
- Toulouse, E., and Piéron, H. *Technique de psychologie expérimentale de Toulouse, Vaschide et Piéron* 22, 593.
- Tourette, G. de la. *L'hypnotisme et les états analogues au point de vue médico-légal* 1, 512.
- Treitel, —. *Ueber das Verhalten der normalen Adaptation* 2, 155. *Ueber den Lichtsinn der Netzhautperipherie* 2, 478.
- Trotter, W. *The instincts of the herd in peace and war* 27, 578.
- Tuczek, F., and Cramer, A. *Ein Hydrocephalus ungewöhnlichen Umfangs* 3, 89.
- Tuke, D. H. *Hallucinations, and the subjective sensations of the sane* 3, 504.
- Tuke, J. B. *The insanity of over-exertion of the brain* 6, 633.
- Turner, W. *Comparison of the convolutions of the seals and walrus with those of the carnivora, and of apes and man* 2, 308. *The convolutions of the brain; a study in comparative anatomy* 4, 458. *Asymmetrical conditions met with in the faces of the insane; with some remarks on the dissolution of expression* 5, 92.
- Uthoff, W. *Ueber die Unterschiedsempfindlichkeit des normalen Auges gegen Farbentöne im Spectrum* 2, 329.
- Unverricht, H. *Die Beziehungen der hinteren Rindengebiete zum epileptischen Anfall* 2, 476.
- Urban, F. M. *Die Praxis der Konstanzmethode* 24, 275.
- Urbantschitsch, V. *Ueber den Einfluss einer Sinneserregung auf die übrigen Sinnesempfindungen* 1, 530.

- Vailati, G. Sull' importanza delle ricerche relative alla storia delle scienze 9, 241.
- Valenza, G. I cambiamenti microscopici delle cellule nervose nella loro attività funzionale e sotto l'azione di agenti stimolanti e distruttori 9, 129.
- Van Biervliet, J. J. La mémoire 6, 308.
- Van Gehuchten, A. Anatomie du système nerveux de l'homme: Léçons professées à l'université de Louvain 17, 424.
- Vaschide, N. Le sommeil et les rêves 23, 315.
- Vaschide, N., and Meunier, R. La pathologie de l'attention 20, 141. La psychologie de l'attention 22, 462.
- Verweyen, J. M. Philosophie des Möglichen 25, 456.
- Verworn, M. Psychophysiologische Protistenstudien 3, 126. Die Cellular-physiologische Grundlage des Gedächtnisses 19, 265. Die Mechanik des Geisteslebens 19, 266.
- Viazzi, P. I limiti del pudore nell'uomo e nella donna 10, 153.
- Vigny, P. La foule criminelle 6, 471.
- Violet, M. Spiritism and insanity 22, 323.
- Virchow, H. Ueber die Striae acusticae des Menschen 1, 699.
- Vold, J. M. Einige Experimente über Gesichtsbilder in Traum 9, 413. Ueber den Traum: experimental-psychologische Untersuchungen 22, 455; 23, 316.
- Wade, H. T., and Hallock, W. Outlines of the evolution of weights and measures and the metric system 18, 148.
- Wadia, P. A. The philosophers and the French revolution 16, 401.
- Wagner, —. Die Urgeschichte der Familie von Standpunkte der Entwicklungslehre 6, 460.
- Walden, J. W. H. The universities of ancient Greece 23, 155.
- Waldeyer, —. Ueber einige neuere Forschungen im Gebiete der Anatomie des Centralnervensystems 4, 454.
- Wallasehek, R. Primitive music. An inquiry into the origin and development of music, songs, instruments, dances and pantomimes of savage races. With musical examples 6, 459.
- Waller, —. The sense of effort; an objective study 5, 273. On the inhibition of voluntary and electrically excited muscular contraction by peripheral excitation. 5, 277.
- Wallin, J. E. W. Optical illusions of reversible perspective. 16, 401.
- Warner, A. G. Notes on the statistical determination of the causes of poverty 3, 401.
- Warner, F. Muscular movements in man and their evolution in the infant . . . together with inferences as to the properties of the nerve-centers and their modes of action in expressing thought 2, 506.
- Warren, J. W., The effect of pure alcohol on the reaction time, with a description of a new chronoscope 1, 710.
- Warren, J. W., and Bowditch, H. P. The knee-jerk and its physiological modifications 3, 577.
- Washburn, M. F. Ueber den Einfluss von Gesichtsassociationen auf die Raumwahrnehmungen der Haut 7, 286. The animal mind 19, 279.
- Watase, S. On the morphology of the compound eyes of Arthropods 3, 189.
- Wedensky, N. E. Die Erregung, Hemmung und Narkose 16, 141.
- Weininger, O. Sex and character 17, 434.
- Weismann, —. Ueber die Dauer des Lebens 3, 105. Ueber Leben und Tod 3, 106. Die Continuität des Keimplasmas als Grundlage einer Theorie der Vererbung 3, 102. Die Bedeutung der sexuellen Fortpflanzung für die Selektionstheorie 3, 102.
- Wells, D. W. Psychology applied to medicine, an introductory study 18, 525.
- Wells, F. L., and Forbes, A. On certain electrical processes in the human body and their relation to emotional reactions 23, 149.
- Welton, J. The psychology of education 23, 147.
- Wendt, —. Fall von Dementia paralytica mit Uebergang in Genesung 3, 566.
- Wenley, R. M. The life and work of George Sylvester Morris 28, 608.

- Wentworth, B., and Wilder, H. H. Personal identification 30, 116.
- Wernicke, C. Herderkrankung des unteren Scheitelläppchens 2, 475.
- Westermarck, E. The origin and development of the moral ideas, Volume I. 21, 334. Volume II. 23, 473.
- Westropp, —. Primitive symbolism 3, 256.
- Whetham, C. D., and W. C. D. The family and the nation, a study in natural inheritance and social responsibility 21, 337.
- Whipple, G. M. Manual of mental and physical tests 22, 307.
- Whitaker, J. R. Anatomy of the brain and spinal cord 2, 141.
- Whitley, M. T. An empirical study of certain tests for individual differences 23, 150.
- Whitley, M. T., and Norsworthy, N. The psychology of childhood 30, 117.
- Wilbrand, H. Die Seelenblindheit 1, 183.
- Wilder, H. H., and Wentworth, B. Personal identification 30, 116.
- Wildermuth, —. Untersuchungen über den Musiksinne der Idioten 2, 507.
- Wille, W. Die Psychosen des Pubertätsalters 10, 310.
- Williams, C. M. A review of evolutionary ethics 6, 649.
- Williamson, R. W. The Mafulu mountain people of British New Guinea 23, 584.
- Winch, R. H. Inductive versus deductive methods of teaching: an experimental research 25, 454.
- Wines, E. C. The state of prisons and of child-saving institutions in the civilized world 3, 240.
- Wines, F. H. The restoration of the criminal 3, 394.
- Winkler, C. Ueber die Bedeutung des psychiatrischen Unterrichts für Heilkunde 6, 473.
- Winkler, C., and Timmer, J. Anatomische aantekeningen naar aanleiding van een geval van atrophie van het linker corpus mamillare 2, 472.
- Witasek, L. Ueber Lesen und Rezitieren in ihren Beziehungen zum Gedächtnis 20, 145.
- Witasek, S. Grundlinien der Psychologie 19, 564.
- Wittels, F. Tragische Motive: Das Unbewusste von Held und Heldin 23, 325.
- Wolfe, H. K. Untersuchungen über das Tongedächtnis 1, 185.
- Wolf, H. Die naturwissenschaftlich-psychologische Weltauffassung der Gegenwart 3, 266.
- Wood, H. C. Insanity after acute surgical or medical affections 4, 323.
- Woodrow, H., and Lowell, F. Children's association frequency tables 28, 461.
- Woods, F. A. Mental and moral heredity in royalty 18, 146.
- Woodworth, R. S., and Ladd, G. T. Elements of physiological psychology 23, 161.
- Worcester, E., McComb, S., and Coriat, I. H. Religion and medicine 19, 427.
- Wreschner, A. Methodologische Beiträge zu psychophysischen Messungen, auf experimenteller Grundlage 9, 591.
- Wulff, M. Beiträge zur infantilen Sexualität 23, 137.
- Wundt, W. Ueber die Methoden der Messung des Bewusstseinsumfanges 3, 431. Die geometrische-optischen Täuschungen 9, 401. Principles of physiological psychology 16, 246. Kleine Schriften 22, 446. Elemente der Völkerpsychologie, Grundlinien einer psychologischen Entwicklungsgeschichte der Menschheit 24, 449.
- Yerkes, R. M. The dancing mouse 19, 277.
- Zacher, T. Ueber drei Fälle von progressiver Paralyse mit Herderkrankungen in der inneren Kapsel 2, 472.
- Zelie, I. S., and Perez, C. Bill Pratt, the saw-buck philosopher 7, 294.
- Ziegler, H. E. Der Begriff des Instinktes, einst und jetzt; eine Studie über die Geschichte und die Grundlagen der Tierpsychologie 22, 131.
- Ziehen, T. H. Leitfaden der physiologischen Psychologie in 15 Vorlesungen 10, 156. Die Ideenassoziation des Kindes 10, 306. Die Prinzipien und Methoden der Intelligenzprüfung 20, 141.
- Zwaardemaker, H. Die Physiologie des Geruchs 7, 289.

IV. SUBJECT MATTER INDEX

VOLUME I-XXX

Volume numbers are in bold-face type.

References in *italic figures* are to the reviews.

- A**
- Abdominal movements**, 5, 226
- Abductor indicis**, 14, 512
- Aberration**, chromatic, 4, 479 f.
- Ability**, constitutional factors in, 23, 86; exceptional, distribution of, 6, 620 f.; geometrical, 29, 235; high school pupils studied, 26, 471; mathematical, tests of, 29, 353; mental, distribution in England, 2, 181 f.; *see also* **Mental ability**; retention of acquired, 26, 58-68; spelling, 29, 353
- Abnormal**, 2, 349-75; 21, 509; 28, 117; and normal, 20, 292; 25, 283-7; and subnormal, 30, 429 f.
- Abulia**, 24, 227
- Alcoholic psychoses**, clinical, 21, 512
- Alcoholism** and general paralysis, 5, 87; rôle in progressive paralysis, 5, 89 f.; *see also* **Alcoholism**
- Altered personality**, *see* **Abnormal: Personality**
- Amentia**, 15, 585
- Anaesthesia**, *see* **Anaesthesia**
- Angioneurosis**, 8, 419
- Aphasia**, 5, 74; 8, 420; 10, 313; 21, 347; amnesia and, 2, 498 f.; anomalous cases explained, 30, 334; apraxia and, 2, 174; von Monakow's theory of, 22, 77; Bastian on, 1, 335; Bianchi on, 1, 334 f.; Broca's form, 19, 434; centers involved, 2, 174 f.; loss of nouns in, 1, 189; lowered intelligence in, 30, 328, 331 f.; mirror-writing with, 1, 541; musical ability and, 1, 175; 2, 175, 347, 517; progressive, 30, 333; recovery from, 30, 328, 332; sensory, localization of, 1, 723 f.; symptomatic complexes, differences, 30, 328 f., 331; theories of, criticised, 30, 327 f., 331
- Apraxia**, 2, 174; amnesia and, 22, 70; aphasia and, 22, 72; von Monakow's theory of, 22, 77; behavior under, 22, 76 f.; brain lesions in, 22, 73 ff.; degeneration in, 22, 68 f.; delirium and, 22, 71; neurology of, 23, 594; post-epi-
- Abnormal: Apraxia** (*continued*)
 leptic state and, 22, 71; psychic phenomena in, 22, 75 f.; psychopathology of, 22, 65; unilateral, 22, 66 ff.
- Ataxia**, *see* **Ataxia**
- Borderline phenomena**, 6, 473; 21, 509
- Catalepsy**, study of 15 cases, 7, 291
- Characters**, 7, 575
- Child**, 22, 125; altered personality in, 9, 382 f.; chorea in, 5, 115; defective, 26, 467 f.; 27, 154; 441; tests for, 27, 283; treatment and training of, 28, 160; delirium tremens in, 2, 516; feeble-minded and psychopathic, 20, 296; sensory discrimination in, 26, 614 f.; idiot, castration of, 10, 296-301; insanity in, 5, 115; interpretation of ills in, 21, 509
- Chorea**, childhood, 5, 115; paramyoclonus and, 1, 364; psychosis and, 1, 340
- Colorblindness**, *see* **Colorblindness**
- Cyclothymia**, constitution of, 21, 174; traits of, 21, 174
- Delirium**, general paralysis and, 5, 81
- Delirium tremens**, 9, 245; treatment of, 2, 348
- Delusion**, 5, 76, 81, 77; 22, 136; jealousy, 1, 539 f.; senile, symbolic writing of, 16, 519-36; systematized, 1, 202 f.; *see also* **Abnormal: Paranoia**
- Dementia**, 19, 286; alcoholic, 22, 70; paralytic, 5, 84; post-apoplectic, emotion in, 18, 527; *see also* **Abnormal: Senile dementia**; secondary, 2, 179
- Dementia praecox**, 14, 117; 16, 552 f.; 20, 467; 22, 136; 23, 130 f., 593; association in, 28, 435; case histories, 21, 386-93; childish anxiety revealed in, 21, 265; cortical lesions in, 21, 399 f.; dynamic interpretation, 21, 385-403; general paralysis, arteriosclerosis and senile deterioration *vs.*, 21, 397, 400; impressibility in,

- Abnormal: Dementia praecox** (*continued*)
 21, 347; infantile sex-theories revealed in, 21, 259; introspection in, 24, 145; Kraepelin's view of, criticised, 21, 393-6; literature of, 16, 247 ff.; treatment of, 21, 398
- Dipsomania**, 11, 210; 27, 575 f.; age of development, 11, 342 f.; cases of, 11, 332-44; defective instinct, 11, 197-200; nature of, 11, 333; perversion, 11, 210; *see also* **Alcoholism**
- Dissociation, mental**, 13, 579
- Double personality**, *see* **Abnormal: Personality**
- Doubt-insanity, causes**, 3, 18 f.; classification of, 3, 8 ff.; ideas and affection in, 3, 21; physical symptoms in, 3, 22; treatment of, 3, 22
- Education of, special school-work**, 29, 126
- Endophasia, ideational type in**, 17, 127-33
- Epilepsy**, 2, 338, 346, 476, 673 f.; 5, 75; 8, 577; 9, 244; 11, 593; alcoholic, 6, 636 f.; borderland of, 19, 571; cortical, 1, 724; crime and, 1, 736; 3, 121; eye defects and, 2, 517 f.; fixed idea analogous, 3, 7; hysteria, idiocy and, 8, 420; hysteroepilepsy, 1, 201; insanity and, 1, 338 f.; 2, 338; levels of nervous system and, 1, 336 ff.; nature of, 8, 577; pupillar changes in, 1, 203; voice sign in, 20, 467
- Epileptoid attacks produced by camphor bromide**, 21, 347
- Etheromania**, 2, 515 f.
- Fear and**, 25, 162 ff.
- Feeble-mindedness**, 14, 617; 20, 296; 29, 286
 association in, 15, 428-32
 attention span in, 15, 432-8; tapping-test, 15, 424-8
 bibliography on, to 1904, 15, 443-6
 cases, 15, 394-402
 chess players and, 18, 306 ff.
 children and, 27, 441; sensory discrimination in, 26, 614 f.; symptomatology of, 16, 142
 classification of, 15, 391 f.
 course on, 20, 297
 degeneracy and, 27, 203 ff.
 discrimination in, 15, 428-32; domino test, 15, 438 f.; sensory 26, 614 f.
 education handbook for, 21, 504
 experiments on, 15, 402-42
 hereditary, 27, 203 ff.
- Abnormal: Feeble-mindedness** (*continued*)
 immorality and, 27, 203 ff.
 impulse to activity in, 24, 231
 insanity and, 2, 190
 Kuhlmann's experiments, 15, 391-46
 learning in, 15, 413-24; tapping, 15, 420-4; target-throwing, 15, 413-20
 memory experiments, 15, 402-13; span (Galton), 15, 403; span (Johnson), 15, 403 f.; span (Kuhlmann), 15, 409-13; span (Lobsien), 15, 405; span (Wylie), 15, 404 f.
 physical growth and, 14, 617
 photographs of cases, 15, 391, 394
 problem of, 15, 392 f.
 Royal Commission report on, 20, 456
 tests of, 15, 394-402
 Tredgold on, 15, 585
 vision in, 2, 344
- Glossolalia**, 23, 135 ff.
- Glossosynthesis**, 23, 138 f.
- Hallucination, ideational type in**, 17, 127-33; inhibition in, 17, 134 ff.; *see also* **Hallucination**
- Hebephrenia**, 3, 214 ff.
- Heboidophrenia**, 3, 214 ff.
- Hypochondria**, 5, 87-9, 114; 16, 554
- Hysteria**, 1, 202; 2, 314; 8, 420; 10, 592; 22, 321, 604; 23, 122 ff.
 anaesthesia in, 1, 510; 2, 324
 autopsy in, 4, 298 f.
 blindness in, 1, 742
 Breur on, 8, 114 f.
 cases of, 1, 719, 737 f.; Margareta Ebner, 27, 404 ff.
 causes of, 3, 137 f.
 conversational, 21, 188 f.
 defined, 21, 182
 dissociation in, 21, 189 ff.; Janet's theory, 21, 191
 Freud on, 8, 114; 21, 168
 hemianaesthesia, caused by, 3, 135 f.
 hemorrhage in, 4, 468
 in art, 1, 495; children, 1, 539; infants, 10, 606; men, 2, 517
 magic and, 1, 496
 mediumship and, 16, 143
 mysticism and, 27, 404 ff.
 nature of, 8, 114
 neglected by doctors, 21, 183
 other psychoneuroses and, 21, 168
 paralysis in, 1, 539
 pathological dreams and, 21, 346

- Abnormal: Hysteria** (*continued*)
 psychoanalytic treatment of, 21, 181-96
 reaction-time in, 1, 204
 reminiscences cause of, 21, 184-7
 selected papers on, 21, 168
 sleep in, 1, 524
 theories of, 27, 82
 traumatic, 1, 518 f., 725
see also **Abnormal: Epilepsy, Hallucination; Anaesthesia; Hypnosis**
 Hystero-epilepsy, 1, 201
 Idiocy, 8, 123; 29, 284; amaurotic, 16, 553; association in, 19, 286; brain in, 1, 700 f.; castration of children advised, 10, 296-301; causes of, 1, 737; Lengelmann on, 1, 206; memory-span in, 1, 193; 2, 608; musical ability in, 2, 507 f.; walk in, 12, 54 f.
 Imbecility, 29, 285; association in, 19, 286; Kuhlmann's experiments, 15, 391-446
 Infantilism, 7, 133, 23, 137, 310-7; 24, 362
 Insanity, 11, 597; 22, 136, 320, 460 f.; 23, 344; 27, 291
 alcoholic, 5, 85
 allied neuroses and, 19, 427
 apperception in, 11, 303-11
 association in, 22, 320; 28, 419
 association-time in, 2, 656 f.
 blood in, 1, 363
 brain, cortical convolutions, 1, 342 f.; fatigue and, 6, 632 f.; lesions in, 6, 450 f.
 care in, 1, 726 f.
 causes and therapy of, 12, 388
 childhood, three cases, 5, 115
 chorea and, 1, 340
 circulatory (cardiac) disease and, 1, 727
 classification of, 3, 218 f.; 13, 583
 climacteric and, 1, 540
 compendium of, 9, 417
 confusional, 5, 90; acute, 4, 326 ff.
 constitutional inferiors, 28, 435
 contagion in, 1, 202, 361; 2, 177, 515
 cranium in, 3, 228
 crime and, 3, 120
 crying in, 17, 161 f.
 degeneration in, 1, 205
 delusions in, 17, 41-7; systematic, 1, 202
 depression in, 17, 38-68
 distraction-tests in, 24, 70, 86-9
 dynamograph tests in, 1, 203
- Abnormal: Insanity** (*continued*)
 education in, 1, 190 f.
 epidemic (collective), 5, 107 f.
 evolution from surgical trauma, 4, 328 ff.
 examination of, 2, 492-6
 experiments on, 17, 38-68
 facial expression in, 5, 92
 feigned, 1, 727 f.; 2, 346
 forms of, admitted and discharged during 5-year period in Massachusetts, 21, 346 f.
 genius and, 1, 340, 541 f.; 6, 32; 27, 374 ff., 379-84, 387 ff., 397 f., 401 ff.
 habit and, 1, 334
 handwriting in, 17, 395
 hereditary, 1, 356; in royalty, 18, 147
 hypnosis in, 1, 720
 ideational types in, 17, 129-33
 increase of, 1, 346
 infectious, 1, 202, 361; 2, 177, 515
 inhibition absent in, 17, 130-3, 136
 in imbeciles, 2, 190
 jealousy in, 17, 480 ff.
 labor and, 20, 463
 laughter in, 9, 36
 lifted-weight tests in, 24, 70, 80 ff.
 lucid intervals in, 1, 345
 management of insane, 20, 594
 medico-legal aspects of, 6, 472 f.
 memory in, 19, 43-57
 menstrual, 3, 249
 menstruation in, 1, 202
 mental processes in, 17, 38-68
 mimetic movements in, 1, 342
 motor activity in, 11, 310
 motor inhibition in, 19, 281
 neologisms in, 2, 504
 nomenclature of, 3, 218 f.
 number-cancellation tests in, 24, 70, 83-6
 nutrition and, 5, 46-80
 occupational, 20, 463
 paralysis, general, in, 5, 85
 Parisian cases, 5, 85 f.
 pathology of, 7, 128
 pauperism and, 3, 400
 perception fallacious in, 11, 308 ff.
 periodic, laws of, 3, 249
 pessimism in, 5, 113 f.
 phthisis and, 1, 727
 post-febrile, 4, 326
 post-mortem, index of, 19, 575
 postoperative, 2, 503; 4, 323-31
 practice effect, 17, 54 ff., 60-68
 precocity, mental unbalance and, 10, 167
 prejudices touching, 20, 155

Abnormal: Insanity (continued)

- psychology of, 24, 281
 psychomotor troubles in, 19, 425, 572; 20, 153
 reaction-time in, 1, 359 f.; 2, 344, 486 f., 656 f.
 recovery from, 1, 736
 responsibility under, 1, 196
 rulers and leaders show, 21, 509
 scarlatina followed by, 5, 74 ff.
 self-consciousness and, 6, 32
 simulated, 1, 727 f.; 2, 346
 skull measurements in, 1, 205
 sleep and, 1, 330 f.
 soliloquy in, 11, 274 f.
 space-perception, tactile, in, 1, 359 f.
 sphygmograph-records of cases, 1, 347
 spiritism and, 20, 153; 22, 323 f.
 symptoms of incipient, 11, 305-8
 tapping-test in, 24, 70-80
 temporary, 2, 178
 toxic, and chronic alcoholism, 4, 340 f.
 toxicity of urine in, 5, 76-80
 treatment of, 1, 200, 736 f.
 uncinariasis and, 21, 347
 variability not distinctive, 17, 68
 vice and, 11, 597
 Katatonía, 3, 212 ff.; 9, 244
 Kleptomania, 11, 210
 Locomotor ataxia, 5, 106; following paresis, 1, 335
 Mania 'acute' vs. 'periodic,' 9, 245
 dancing, 18, 26-30; Saint John and, 18, 28 f.; Saint Vitus and, 18, 29 f.; *see also* **Abnormal: Tarantism**
 'flight of ideas' in, 17, 44-7
 homicidal, 11, 212; 15, 586
 Manic-depressive, 24, 66; cancellation-tests, 17, 50 f., 61 ff.; card-sorting tests, 17, 51 f., 67; clinical histories, 17, 40-7; continued curve of work, 20, 46; experiments, 17, 48-67; fatigue in, 20, 47; memory in, 17, 40-4; mental processes in, temporal relations, 17, 38-68; motor activities in, 17, 40-67; reaction-times in, 17, 49 f., 50 ff.; reading test in, 17, 50, 60 f.; retardation in, 20, 38-59; reversal in, 20, 44, 47-9, 54; symptoms of, 17, 38 f.; tapping-test in, 17, 49, 53 ff.; 20, 39-51; term's origin, 17, 38; transference in, 20, 44, 46 f.
 Megalomania, dreaming, 27, 577;
see also **Abnormal: Paranoia**

Abnormal (continued)

- Melancholia, 2, 336; 5, 76 f., 79, 81, 81, 87 f., 91; 6, 449; 19, 434; 22, 470
 attonita, 3, 212 ff.
 case of Stephen Allard, 7, 291
 crying in, 17, 162
 facial blemishes as cause, 1, 364
 hypochondriacal, not general
 paralysis, 5, 87-9
 intellectual aspects, 7, 291
 lycanthropy and, 18, 41
 typhoid followed by, 5, 76
 witchcraft and, 18, 41
see also **Abnormal: Manic-depressive**
 Memory span of pathological subjects, 15, 585 f.
 Mental defective 13, 586 f.; 22, 321; 23, 593; 26, 467 f.; delinquency and, 30, 325; education of, 27, 294; 29, 126; Kuhlmann's experiments, 15, 391-446; mental growth of, 27, 74 ff.; physical deficiency and, 14, 619; *see also* **Abnormal: Feeble-minded**
 Mental derangement, disease followed by, 5, 74 ff.; nutrition affecting, 5, 77-80; uncinariasis causing, 21, 347
 Mental diseases, 7, 290 ff.; 20, 291; mental physiology and, 7, 290; mind and its disorders, 20, 291; mind that found itself, 19, 426; nervous and, 20, 290 f.; physiology of, 20, 153; prognosis of, 19, 435; progressive development of, 7, 290 f.; psychomotor disturbances in, 20, 153; retardation, tapping-test shows, 20, 38; stupor, 8, 128
 Moral insanity, 1, 198; 15, 586
 Multiple personality, *see* **Abnormal: Personality**
 Mysophobia, 3, 1-23
 Narcoses, irritability and inhibition in, 16, 141
 Neuraesthesia, 2, 517; 6, 476; crying in, 17, 162; fatigue and, 19, 394 f.; sexual causes of, 10, 316
 Neuroses, 2, 176, 188 f.; 5, 86, 93; 21, 211; alternation of, 1, 346; case histories, 21, 239 f., 245-50, 292 f., 315-24; constipation and, 1, 344; fatigue-curves for, 15, 587; genius and, 5, 92; hysteria and other, 21, 168; infection in, 3, 137; introjection and transference, 21, 347; obsession, 1, 222-70; onomatomania, 1, 193; pessimism and, 3, 138; psychoneuroses and their

Abnormal: Neurosis (*continued*)

treatment, 21, 508; pyromania, 1, 191; resistances in, 21, 238 f.; war, 30, 119; *see also* **Abnormal: Angioneuroses, Hysteria; Neuraesthesia**

Nymphomania, 11, 211

Obsession, 1, 222-70; impulsions and, 13, 579; *see also* **Fixed ideas**

Palsy, infant cerebral, 4, 299

Paralysis:

Bastian on, 1, 336

case studies, 5, 83

agitans, 1, 540

depressive forms of, 5, 84

elective sensory, 8, 128

exhaustion in, 1, 726

facial nerve, 1, 701 f.

fractures in, 5, 83 f.

general, 1, 203; 2, 335 f.; acute cases, 5, 86 f.; alcoholism and, 5, 87; bone changes in, 1, 205; clinical types, 5, 80 ff.; crossed reflexes in, 5, 84 f.; depressive form of, 5, 84; eye-muscle paralysis in, 1, 696; eye troubles in, 5, 90; focal with apraxia, 22, 70; French army and, 5, 86; medico-legal aspects, 5, 86; not adventitious, 5, 82; remissions in, 1, 335; types of, 5, 80 ff.

hysterical, diagnosis, 1, 539

hystero-traumatic, 1, 518 f.

motor, after-effects of, 1, 344

progressive, alcoholism in, 5, 89 f.

statistical studies, 5, 82 f.

Paranoia, 1, 203; 2, 193-224, 349-75; 5, 81; 6, 474 f.; 9, 245; 16, 553; 20, 467; 22, 603; 23, 115 ff.; auditory hallucinations and, 1, 738; case report of, 1, 460-78; 2, 193-224, 349-75; defined, 3, 218 f.; delusions of, 3, 13; ideas of grandeur, 3, 217 f.; insanity of doubt *vs.*, 3, 15 f.; persecution mania, 1, 724; religious, in senile delusions, 16, 512 ff.; secondary, 1, 362, 738; studies in, 20, 467

Paresis, 13, 583; aphasia in, 3, 565; associations in, 28, 435; death in, 3, 563 f.; early stages of, 3, 557-60; insanity in, 28, 435; pathological anatomy of, 3, 560-3; perforating ulcer in, 3, 564; pulmonitis in, 3, 565; pupil of eye in, 1, 347; recoveries from, 3, 567-72; visual disturbances in, 3, 565 ff.

Pathophobias, 25, 382-92; phobia in a 5-year boy, 20, 466; planomaniac, life of, 10, 47-50

Abnormal (*continued*)

Personality, altered, 2, 664 f., 667 f.; 7, 575; in child, 9, 382 f.; double, 8, 127, 421; 19, 562; relation to normal, 13, 453; multiple, 2, 664 f., 667 f.; 6, 470 f.; 13, 323; 16, 258; consciousness of identity and, 6, 623 f.

Psychasthenia, 13, 579; 14, 262; obsessions and, 15, 589 f.

Psychoses following scarlatina, 5, 74 ff.; *see also* **Psychoses**

Pyromania, 1, 191

Research in biochemistry and, 28, 117-40

Satyriasis, 11, 211

Senile dementia, 2, 561 f.; 5, 77, 79; 16, 519 ff.

Sexual perversion, 7, 212; 10, 320 f.; 21, 211

androgynous, autobiography of, 30, 239

exhibitionism, 21, 315

fetishism, 3, 251; 7, 212; 11, 212

homosexuality, 21, 210 f.; psychoanalysis and, 23, 130, 318 f.

inversion, 7, 212, 216

masochism, 7, 212, 215 f.; 11, 212; 21, 210, 316

nymphomania, 11, 211

pederasty, 11, 212

sadism, 3, 229 f.; 7, 212, 215 f.; 11, 211; defined, 21, 210;

phylogenetic explanation, 21, 144-8

satyriasis, 11, 211

unchastity as, 11, 200-3

Somnambulism, case of, 12, 265-8

Syphilomania, 23, 483 f.

Syphilophobia, 23, 483 f.

Tabes, 5, 81; classification of, 15, 585; Mott on, 15, 584 f.

Tarantism, mind's influence on, 18, 32; symptoms of, 18, 30 f.; *see also* **Abnormal: Mania, dancing**

Terminal dementia, knee-jerk in, 4, 343-61

Traumatism, 1, 725 f.; 2, 335 f.; 15, 582 ff.; Kalberlah on, 15, 582 f.;

Literature of 1904 on, 15, 582 ff.;

Viedenz on, 15, 582

War psychoses, 29, 126; 29, 127; war shock treatment, 29, 127

Women, 7, 293

See also **Amnesia, Colorblindness, Dreams, Hypnosis, Paramnesia, Psychiatry, Psychoanalysis, Psychopathology, Psychotherapy**

Abortion, history and methods of, 3, 263

- Absolute pitch, *see* Pitch
 Abstinence, days of, 28, 612
 Abstraction, 22, 589 ff.; effect of memory, 10, 253 f.
 Abulia, *see* Abnormal
 Accessory nerve, *see* Spinal chord
 Accommodation, 4, 477-80; attention and, 17, 84, 94 f.; binocular, 6, 466 f.; influence of, 14, 150, 162; theory of fluctuations, 24, 381; time (monocular) 6, 363 f.; *see also* Apparatus
 Accuracy in motor adjustments, 29, 127; psychological experiments, 6, 427 ff.; relation to intelligence, 20, 364-9; sensory discrimination, *see* Precision; *versus* speed, work-curve and, 27, 554; *see also* Typewriting; Speed
 Acephala, *see* Animals
 Acid, 14, 413; sapidity of, 30, 311 ff.
 Acoumeter, *see* Apparatus
 Acoustics, theory of, 248; *see also* Apparatus; Audition
 Aquatic ancestry, *see* Evolution
 Acquired capacities, retention of, 26, 58-67; characters, transmission of, 6, 640; 8, 135
 Acquisitiveness, children's stone collections, 21, 124-8
 Acrophobia (fear of high places), *see* Fear: High places
 Action, child's observation of, 20, 329, 335, 351; erroneous, 22, 508 ff.; experimentation in, history 1899-1909, 21, 416 f., 515-22, up to 1904, 16, 216 f.; Münsterberg's theory of, 15, 298 f., 301 f.; psychology of, 17, 293-305; reaction, interaction and, 29, 124; reflex, *see* Reflex action; Symptomatic, 22, 510 ff.; volition and, 5, 272-8; *see also* Voluntary movement
 Active temperament, 19, 521 ff.; apathetic-active, 19, 531; sensitive-active, 19, 532
 Activities, children's spontaneous, 21, 114-49; institutional, of American children, 9, 425-48; nesting, analysis of, 30, 173-86; of children, with parts of the body, 9, 353-62; of children, primitive, 21, 114-49; playful, 9, 236; psychical and physical, respiration and, 9, 560-71; selective, 10, 258 ff.; serious, 9, 236; sub-conscious, 14, 352; two divisions of, 9, 236
 Activity, cortical-psychic, 20, 84-106; expectation and, 20, 533; mental, 17, 298-304; effect on muscular, 1, 191; pleasure of, 24, 229; white rat's, at different ages, 19, 148
 Acuity, auditory, 15, 26-49
 Adaptability, individuality and, 24, 134; influence and, 24, 133
 Adaptation, after-image, negative, and, 19, 63; attention-fluctuation and, 17, 83-119; consciousness and, 17, 302-5; contrast and, 12, 178-84; explained, 12, 182 ff.; eye-movement and, 19, 62 f.; fatigue and, 19, 112; fluctuation and, 19, 64, 78; of minimal visual stimuli and, 19, 60; immunity and, *see* Immunity; motor, 2, 650 f.; oscillatory theory and, 19, 61; to pressure, 18, 314-8; superficial pain, 30, 422 ff.; visual, 2, 155; interferences with, 17, 83, 88 ff., 111-9; *see also* Apparatus; Vision
 Adaptation-time, area and, 17, 89 f., 102-11; attention-fluctuations and, 17, 83-119; colors and, 17, 85-8, 98-101
 Adaptive intelligence in dogs, cats and monkeys, 26, 211-6
 Addition, automatic writing during, 26, 171-7; distraction by, 8, 406-10; practice curve, 26, 247-50; psychology of, 16, 331 ff.; 17, 3-12
 Addition test, as distractor, 20, 87-90, 492; speed and accuracy indicator, 20, 504-15; manic-depressive and, 17, 51, 63-6; measure of fatigue, 19, 355 ff.; 24, 38; work-curve study and, 20, 39, 49, 58
 Adolescence, 3, 259; 9, 83-8, 92; 20, 465; 22, 445 f., 472 f., 603
 Confirmation and, 6, 94
 Crime and, 6, 92
 Crisis of, 30, 237 f.
 Critical period, 6, 79 ff.
 Doubt and, 6, 91
 Emotion craved in, 6, 91 f.
 Heredity and, 6, 89
 Hygiene of, 27, 441
 Imagination in, 19, 249-52
 Insanities of, 10, 310
 Insanity and, 6, 89 ff.
 Insight during, 9, 97 ff.
 Memories of, 10, 233
 Mental growth during, 13, 439-44
 Physical growth during, 9, 257
 Regeneration at, 6, 61-106
 Religion and, 6, 93 ff., 98 f.
 Religious activity heightened in, 9, 88, 92; conversion and, 6, 95 f.; 8, 272 ff.; 9, 79 f.; development during, 9, 77 ff.
 Religious feelings, substitutes for, during, 9, 99-102
 Sex-love during, 13, 325-54
 Storm and stress of, 9, 83-8, 92

- Adolescence (*continued*)
 Superstition and, 30, 88 f.
 Treatment, 6, 93
See also Puberty
- Adornment, classes of, 9, 365; clothing as, 7, 184 ff.; 27, 217 ff.; decoration and, among savages, 7, 179-86; effect of on child's self-consciousness, 9, 364-7; Lotze's laws of, 9, 365 f.; ornaments, 7, 179-86; tattooing, 7, 181-4
- Adrenalin, emotional expression and, 25, 267 f.
- Advertising, laboratory test in, 27, 285 f.; psychology of, 20, 154; selling and, 25, 144; theory of, 16, 139; Scott's theory, 15, 118 f.; *see also* Applied Psychology
- Aesthesiometer, *see* Apparatus
- Aesthesiometry in mental fatigue, 20, 463
- Aesthetic arts, evolution of, 6, 283
- Attitude and feelings, 21, 348
- Criterion of moral judgment, 9, 199 f., 221-31
- Feeling, basis of, 19, 262
- Interest, 9, 100 f.
- Judgment of pictures a possible test
 29, 333
- Limen of Fechner, 6, 11
- Problem of geometrical-optical illusions, 9, 396 f.
- Proportion and Shaftesbury's ethics, 12, 458-91
- Synaesthesia, 21, 347
- Synthesis, 21, 347
- Types, 24, 553
- Unity, 29, 291
- Aesthetics, 5, 111; 9, 412; 11, 277; 13, 324, 580; 14, 118, 479; 21, 174; 23, 161, 481
- Affective life and, 21, 348
- Custom basis of, 21, 382
- Erotic, 19, 431
- Experimental, 14, 479-95
- Form in painting and sculpture, 20, 155
- French opera, psychology of, 8, 579
- In comedy, 22, 137 ff.
- Kant on, 23, 399 ff.
- Mechanics of, 9, 400
- Morals and, 10, 316
- Musical expressiveness, 5, 42-73
- Of the comic, 16, 35 ff.; of form, 9, 396-404; of painters, 5, 111
- Pleasure and pain, 7, 108
- Pragmatism in, 19, 400
- Primitive decoration and, 21, 379
- Sex and, 7, 222 ff.
- Aesthetics (*continued*)
 Studies in, 13, 324
- Taste, tests of, 10, 358 f., 368 ff.
- Affection, 22, 311 ff.; 23, 579 ff.
- Apperception and, 12, 124
- Arousal-time for, 22, 187-93
- Consciousness and, 20, 269
- Experimentation in, up to 1904, 16, 213 ff., 217 ff.; 1899 to 1909, 21, 411 f.
- Fluctuations in, 22, 579 ff.
- Introspection and, 7, 148
- Localization of, 20, 184
- Music and, 16, 314
- Nature of, J. Edwards on, 13, 570 f.
- Physiological accompaniments of, 16, 251
- Physiological problems, 21, 176
- Sensation and, 20, 158, 269, 388 f.; sensation *vs.*, 20, 157-93
- Size and, 22, 578 f.
- See also* Feeling
- Affective:
 Consciousness, 20, 389; judgment and, 20, 158-78; of color, 20, 173-8; of cutaneous sensation, 20, 179-82; of odor, 20, 179-82, 437; of tone, 20, 159-73; processes of, 20, 157-93, 388
- Contrast, 25, 290-3
- Factors in imagination, 21, 442 ff.; in memory, 21, 442 ff.
- Judgment, 7, 61 f.; fatigue and, 22, 112 ff.; speed of, 25, 288 ff.
- Phenomena, physical basis of, 1, 545
- Processes, physiological expression of, 12, 599 f.
- Psychology, problems of, 21, 176; Stumpf's, criticised, 28, 267-73
- Reactions to articulate sounds, 26, 292-5; to fallacies, 21, 157-61
- Sensitiveness, *see* Affective: Values
- States, dimensions of, 19, 213-31; elementary qualities of, 19, 223; interest, 19, 14; passions, 19, 261-4; tickle, 19, 320, 340; *see also* Emotions; Feelings
- Tone, of colors, 7, 50-71; of recognition, 26, 372 f.; of simple sense-impression, 7, 57-77; of active touch, 7, 72-7; of pure tones, 7, 71 f.; of vision, 7, 62-71; of sunlight on new snow, 14, 77 f.
- Values, 24, 583; of colors, 22, 114 f.; 25, 448 f.; of tone intervals and articulate sounds, 26, 289 ff.; fatigue and, 26, 291 f.; verbal suggestion and, 24, 267
- Affirmation, 10, 314; gesture of, 27, 320-3

- After-image**, 4, 486 f.
 After-sensation *versus*, 27, 326, 330 ff.
 Anomalous, 23, 571 ff.
 Apparatus, *see* Apparatus
 Aristotle on, 2, 45
 Artificial-pupil studies of, 28, 497
 Attention and, 16, 419 f.
 Background effect on, 23, 556 ff.
 Binocular, 5, 415; vision and, 3, 206
 Blinking and, 19, 128
 Color of, 20, 131-5
 Cutaneous, 27, 566-9
 Erythropsia and, 1, 708
 Eye-movement and, 19, 62 f., 112 f.;
 vanishing, 3, 289
 False localization of, 3, 290
 Fechner on, 2, 252 f.
 Head movement and, 19, 129
 Illumination-change and, 28, 497
 Local adaptation and demonstration
 of, 14, 445
 Long duration of, 27, 324 ff.
 Memory, 5, 304; Fechner on, 2,
 253, 585
 Negative, 5, 402; in color-blind, 22,
 387; fluctuation of, 19, 62-129;
 fluctuation depends on area, 19,
 82-7, 103 f., 123
 Of images of imagination, 21, 446
 Pressure and pain, 6, 364
 Positive, 27, 324-34; condition of
 visual, cutaneous and kinaesthetic
 ghosts, 28, 349
 Projection, 24, 262, 576
 Retinal rivalry in, 20, 131-5
 Streaming phenomenon, 19, 114-29
 Tickle, 19, 324 f., 339
 Types of, 23, 569 f.
 Visual, 2, 186, 326 ff.; attention and,
 17, 82; peculiar behavior of, 5,
 419 f.
See also After-sensation
After-sensation, 5, 104; after-image
versus, 27, 326, 330 ff.; pressure, 18,
 318; skin as source, 5, 104 f.; *see also*
 After-image
Age, association reactions and, 27, 129;
 crying influenced by, 17, 155-60,
 171, 176; domination theory, 27,
 85 f.; intelligence and, 15, 233-5,
 261 f., 266, 278 f.; judgment of size
 of familiar object and, 9, 148 f.;
 memories according to, 10, 231-4;
 nostalgia and, 10, 74 f.; pain sensi-
 tivity and, 10, 393, 396; strength
 and, 10, 393, 396
Aged, care of among Chilkats, 29, 78
Agilization, 20, 75
Agnosia, 22, 67
Agnosticism, 14, 254 f.; fallacies of,
 22, 319
Agoraphobia, *see* Fear: Open spaces
Ailuriophobia, *see* Fear: Cats
Air System, compressed, for demon-
 strational purposes, 28, 278; pres-
 sure tanks, 13, 221; 14, 107-12; 15,
 57; 24, 469; *see also* Apparatus:
 Compressed air
Aïssaoua sect (Moslem), religious
 seances of, 1, 730
Albertus Magnus, psychology of, 16,
 135
Alchemy, 18, 41 f.
Alcohol:
 Brain affected by, 2, 515 f.; 3, 227
 Craving for, 11, 333-42
 Fatigue and, 19, 436
 Ganglion cells affected by, 8, 131
 Mental ability and, 11, 370, 374 ff.;
 effect and, 8, 130
 Motor ability and, 11, 368-74
 Nerve cells affected by, 9, 128
 Offspring affected by, 2, 173 f., 338
 Psychological effect of, 8, 130; 27,
 291
 Psychology of, 11, 318-76
 Reaction-time affected, 1, 710 f.
 Skin sensibility affected, 1, 362 f.
 Spinal cord affected by, 2, 515
Alcoholic, defined, 27, 574; psychoses,
 21, 512
Alcoholism, 2, 498 ff.; 5, 86
 Crime and, 3, 403-6
 Disease of, 1, 362
 Mental depression and, 27, 574-7
 Paralysis, general, 5, 87; progressive,
 5, 89
 Psychological aspect of, 16, 553
 Trance states and, 1, 517 f.
 Wine tasters and, 1, 194 f.
See also Abnormal: Alcoholism,
 Dipsomania; Alcohol; Intoxication
Alexia, 1, 548 f.; 2, 175 f., 516 f.
Algedonic sensations, 28, 265 ff.;
 Stumpf's theory of, 28, 265
Algonkian Indians, 14, 411; acquire-
 ment of written language by, 17,
 68-72; place-names analyzed, 7, 134;
see also Anthropology: American
 Indian
Alienists, French, 6, 474
Alimentary canal, sensations of, 26,
 1-57; procedure for studying, 26,
 5-12; sensibility of, 23, 161; *see also*
 Apparatus
Alkaloids, opium, reaction time and,
 29, 128; *see also* Drugs
Allochiria, 2, 347

- Alphabet, Cherokee, 17, 73-6; phonetic
see **Phonetic alphabet**; relative legibility of letters, 1, 402-35; tests, backward-and-forward, 27, 238
- Ambivalence, law of, 25, 181; fear and, 25, 154, 177
- Amblyopia, 2, 158 *f.*
- Amentia, *see* **Abnormal**
- American Federation of Labor, Resolution on Science and Technology, 30, 433
- American Indian, 22, 447; music of, 21, 332; *see also* **Anthropology**
- American Journal of Psychology, increased scope of, 7, 1-8; object of, 1, 3 *f.*; origin of, 28, 299
- American Psychological Association, constitution, 6, 617 *f.*; origin of, 28, 299 *f.*; presidents of, 29, 347; *see also* **Meetings**
- American thought, Puritanism to pragmatism, 26, 471
- American Transcendentalism, French origins of, 29, 50; German influence on, 29, 54; *see also* **Transcendentalism**
- Ammocoetes, *see* **Animals**
- Amnesia, 1, 332 *f.*; 6, 476; apraxia and, 22, 70; case of, 1, 333; drowsiness and, 22, 111; epileptic, 2, 338; retroactive, 14, 390; 18, 209 *f.*; bibliography, 14, 395; retrograde, 4, 468; 14, 387; shock producing, 1, 356 *f.*; study of, 14, 383; treatment of, 14, 386; *see also* **Memory**
- Amoeba, *see* **Animals**
- Amphibia, *see* **Animals**
- Amphioxus, *see* **Animals**
- Amputation, effects on nervous system, 1, 343 *f.*; 491; kinaesthesia after, 2, 341; 24, 222
- Amulets and charms, 20, 231
- Anaemia, attention and, 1, 204; cerebral, 1, 327; in sleep, 12, 147-50, 152, 154-7
- Anaesthesia abnormal case of, 5, 93
 Complete, criteria of, 22, 343 *ff.*
 Dissociation and, 1, 515; 25, 183 *f.*
 General, case of, 12, 169
 Hysterical, 1, 510, 515; 2, 324; voluntary movement in, 3, 135 *f.*
 Scopolamine-morphine producing, 26, 312
 Stages of, 22, 343
 Symptoms of, 22, 338 *ff.*
 'Twilight sleep,' 26, 312
- Anaesthetics, 'Aufgabe' present under, 22, 334, 337; consciousness under, 22, 333 *ff.*; 25, 179; 26, 312
- Analgesis (Analgesia), 5, 107
- Analogy, mechanical, of nervous function, 24, 555; primitive languages show, 18, 442-6; test and academic performance, 30, 307-10
- Analysis, Conversion subjected to, 7, 322-54; mental, Wundt's doctrine of, 16, 499 *ff.*; 17, 206-26; necessity for, 23, 495 *f.*; scientific procedure, 11, 405
- Analytic method, in biology, 21, 353 *f.*; *see also* **Abnormal: Neuroses; Complex; Dreams; Psychoanalysis**
- Anarchism, individuals and, 15, 457
- Anastomosis, 5, 33 *f.*, 36, 38
- Ancestors, souls of remote, traced, 10, 182
- Ancestor-worship, Fijian, 7, 132; origin of self and, 27, 188
- Ancestry, pelagic, embryological evidence, 10, 170 *f.*; rudimentary organs showing, 10, 171 *f.*
- Androgyne, autobiography of, 30, 239
- Anger:
 At inanimate objects, 10, 565 *ff.*
 Causes of, 6, 549 *f.*; individual, 10, 537-41
 Control of, 10, 574-7
 Description of, 10, 525-8
 Effects of, 10, 520 *f.*
 Freudian methods applied to, 26, 438-43
 In individuals and in races, 10, 521-5
 Laboratory tests of, 28, 390 *f.*
 Physical manifestations of, 10, 548-65
 Predisposition to, 10, 542-6
 Protracted forms of, 10, 582-5
 Psychology and pedagogy of, 30, 325
 Reaction following, 10, 571-4; to display of, 10, 587 *f.*
 Spontaneous, 10, 541 *f.*
 Study of, 10, 516-91
 Syllabus on, 10, 528 *f.*
 Theories of, 10, 589 *ff.*
 Treatment of, 10, 578-82
 Vents for, 10, 567-71
 Words connoting, 6, 585 *ff.*; 10, 517 *ff.*; etymology of, 10, 519
- Anger-point, variations of, 10, 546 *ff.*
- Angioneurosis, *see* **Abnormal**
- Animal magnetism, 1, 501 *f.*, 520 *ff.*; *see also* **Hypnosis**
- Animals, 5, 205; 10, 604 *f.*; 20, 295; 23, 474 *f.*; 25, 1-31; lectures on, 21, 343; new method in studying, 19, 275; place in human thought, 21, 511
 Activity of, 6, 142
 Acephala, nervous system of, 1, 488 *f.*

Animals (*continued*)

- Ammocoetes (*Petromyzon planeri*), sympathetic nervous system, 1, 492
- Amoeba, adaptation in, 19, 241; daily life of, 19, 232-41; study outline for, 10, 400 f.
- Amphibia, forebrain of, 3, 377; nervous system in, 1, 489 f.
- Amphioxus, nervous system of, 2, 150
- Ant communities and their government, 21, 343; carpenter, 19, 280; social life of, 7, 575
- Ape, brain of, 2, 309; life and language of, 12, 279; mental life of, 20, 154; 27, 440; psychic life of, 20, 154; *see also* Animals: Monkey
- Bee, reflex machine? 19, 423
- Behavior, 12, 391; 20, 295; 25, 1-31; lower organisms, 21, 349-70; mechanical, 21, 361-5; rhythmical in birds, 30, 164-72
- Bird, 1, 197; 7, 439; 13, 457; 17, 248-70
behavior, 21, 1-17; rhythmic, 30, 164-72
brain in, 2, 471
classification of, 13, 458 f.
color-discrimination by, 17, 265 f., 270
design-discrimination by, 17, 264 f., 269
emotion in, 17, 266 ff., 270
fundus oculi of, 28, 609
habit in, 17, 256 f.
imitation in, 17, 268; 21, 1-71
individual differences, 17, 251-70
intelligence, 21, 1-71
learning in, 17, 252-66, 269 f.; 21, 6-71
life and structure, 7, 439
maze-learning by, 17, 252-7
memory in, 17, 255 ff., 262 ff., 269
migration of, 10, 32-40; 13, 460-9; 21, 343
motor activity, 17, 267 f.
nest defence, 30, 183-6
nesting activities, 30, 173-86
puzzle-box for, *see* Apparatus
song, 13, 321; evolution of, 8, 421
see also Ornithological Committee
- Bird-lover as scientist, 13, 457-76
- Blind, light-sensitiveness in, 1, 715 f.
- Bluebird, intelligence tests, 21, 38-43; memory tests, 21, 41 ff.
- Captive, death of, 10, 65 f.
- Carnivora, 2, 308 f.; brain of, 2, 308 f.
- Cat, brain cavities epithelium, 4, 300; eye appendages, 28, 489 ff.;

Animals: Cat (*continued*)

- intelligence, adaptive, tested, 26, 211-6; oculo-motor nerve, 3, 84; sound discrimination by, 23, 461 ff.; study-outline for, 10, 426-30
- Chick, emotional development, 10, 265-76; imitation in, 10, 276 f.; instincts and habits of, 23, 337 f.; newly hatched, 9, 124 ff.; sensory development, 10, 265-76; study-outline for, 10, 416-9
- Chicken, optic center in, 3, 193
- Classification, by psychological characters, 12, 264 f.
- Clepine, behavior of, 11, 276
- Cockatoo, after-image in, 27, 328 f.
- Cockroach, 2, 163; temperature effect on, 2, 163
- Coloration, concealing, 21, 500-4; protective, Thayer tiger model, 25, 295 (fig.); *see also* Coloration
- Color-sense in, 1, 713-6
- Consciousness, 20, 221; 22, 172; social, in, 14, 339
- Courtship in, 7, 164-70
- Cow, human soul represented by, 15, 136
- Cowbird, food-box tests, 17, 257 ff.; imitation in, 21, 9-32, 47-54; maze learning, 17, 253; memory tests, 17, 255 ff.
- Crab, heart nerves of, 8, 128; smell in, 1, 535 f.
- Crawfish, grasping response in, 30, 203 ff.
- Crow, imitation in, 21, 8 f., 55-65; longevity of, 1, 454 f.; winter-roost colonies, 1, 436-59
- Crustacea, brain of, 1, 495; migration of, 10, 27
- Crying among, 17, 177, 181
- Daphnia, color-vision in, 1, 714
- Deceit in, 11, 443 ff.
- Developmental psychology, 27, 71-86
- Differences, individual, 22, 119
- Dog, 5, 205-13
audition and habit-forming, 25, 315
behavior, of 'Roger,' 19, 279
cerebellum, defective, of puppy, 7, 427
facial nerve, cortical centers, 1, 695
habit-forming in, 25, 315
intelligence, 26, 211-6; adaptive tests on, 26, 211-6
pitch discrimination, 30, 291-4
reflexes, conditioned, 24, 279; 27, 71 f.
sound discrimination, 30, 291-4

Animals: Dog (*continued*)

- 'spinal,' 3, 88; reflex coördination of, 15, 558
 training, literature summarized, 5, 205-13
 Domesticated, 2, 439; migration of, 10, 40-5
 Earthquakes and, 2, 342 f.
 Earthworm (*Lumbricus agricola*), nervous system, 2, 150; sense organs, 7, 284; study-outline for, 10, 408 ff.
 Edentata, brain of, 3, 376 f.
 Elasmobranchs, embrional nervous system, 6, 448
 Ennui in, 6, 29
 Experiments with, 14, 258; pedagogical value, 21, 2 f.
 Evolution of, 7, 439
 Fears of, 8, 205-10; 25, 149 ff.
 Fish, 2, 56, 153
 auditory sense in, 10, 152; 12, 359
 brain, physiology of, 3, 185 ff.; of teleost, 1, 695 f.
 discrimination in, 12, 360
 ear, 10, 152; labyrinth in, 2, 153
 evolution of instincts and habits, 13, 421-5
 habits, 13, 408-25; temperature and, 13, 410-25
 imitation in, 12, 360
 instinct and temperature, 13, 409 f.
 lateral line, function of, 10, 152
 memory in, 12, 359; Augustine on, 2, 56
 migration of, 10, 29-32; 13, 418-25
 sex differences, 12, 355 f.
 spawning habits, 13, 410-18
 structural similarity vs. similarity in habits and instinct, 13, 411 f.
 study-outline for, 10, 413-6
 temperature-response mechanism, 13, 414 ff.
 temperature sense in, 13, 414 ff.
 vision in, 12, 360
 Frog, brain anatomy, 1, 489 f.; brain physiology, 3, 182 ff.
 egg, development of, 9, 248
 mating behavior, 1, 323
 reflex, crossed tactile, 1, 323; mating, 1, 323
 sex organs, periodicities of, 14, 6
 tadpole, thermotropism in, 10, 9 f.; optimum temperature for, 10, 10-8; choice of optimum temperature, 10, 17 f.
 terminal disks, nerve terminations, 3, 194 f.

Animals (*continued*)

- Geotropism in, 26, 417-27; *see also* Tropisms
 Habit elimination of, 20, 114
 Horse, education of, 25, 6 ff.; intellectual characteristics of, 11, 276; intelligence of 'Clever Hans,' 19, 422; 22, 472; 25, 1-31, 131-6; Elberfeld horses, 25, 1-31, 133 f.; psychic research on Clever Hans and Elberfeld horses, 25, 1-31
 Human thought and, 21, 511
 Hydra, study-outline, 10, 407 f.
 Ideas formed by, 14, 341
 Imitation in, 22, 583 ff.; bird, suitable subject for study of, 21, 5; criterion of, 21, 8 f.; *see also* Imitation
 Industries carried on by, 6, 142, 294; 13, 322
 Insects, 11, 276
 antennae, functions, 1, 549
 brain anatomy of, 1, 495
 intelligence, 6, 142
 migration of, 10, 27 ff.
 reproduction in, 23, 148
 retinal image in, 3, 208 f.
 saga, custom and literature, 21, 512
 senses of, 21, 343
 smell in, 1, 549
 study-manual for, 7, 302
 vestigial instincts in, 29, 1-13
 Intelligence, 10, 149 f., 158; 12, 264 f.; 13, 171; 25, 1-31; general forms of, 12, 222-8
 Jay, blue, intelligence tests, 21, 43-7
 Jealousy in, 17, 438-52
 Junco, intelligence tests, 21, 27-41
 Laboratory course in, 10, 399-430
 Laughter of, 9, 33
 Learning, 20, 111, 114; curves as indices of intelligence, 12, 223
 Lizard, brain of, 3, 184 f.
 Magnetism, *see* Hypnotism
 Mammals, 22, 321; brain convolutions, 4, 458 ff.; migration of lower, 10, 40
 Memory-image in, 11, 21
 Mental endowment, 6, 142; development of young, 6, 620; 7, 302; life of, bibliography, 13, 217 f.; tests, development and, 27, 71-86
 Methods in studying, 10, 256-79; 18, 263 f.
 Migration of, 10, 1, 27-45; 11, 275; causes of, 21, 343; kinetogenetic theories of, 10, 32-6

Animals (*continued*)

- Mind of, 19, 279; 20, 221; 26, 619
 investigation of, 26, 619
 men *vs.*, 19, 148
- Monkey, 13, 98, 173
 brain, extirpation of, 3, 189 *ff.*
 experimental degeneration after
 cortical lesions, 7, 274
 imitation in, 21, 175
 individual differences, 13, 193-6
 intelligence, adaptive, tests of,
 26, 211-6
 life and language of, 12, 279
 memory in, 13, 189 *ff.*
 mental life, 13, 98-148, 173-218;
 27, 440; processes, 22, 469
 size-discrimination tests, 13, 133 *f.*;
 apparatus for, 13, 133 *f.*
 test form, 13, 129
see also Animals: Ape
- Mosquito, 19, 280
- Mouse, dancing, 19, 147, 277
- Mouse, house, adaptation-time for
 light, 21, 4; imitation in, 21, 4;
 learning tests, 21, 3 *f.*
- Nectura, behaviour of, 11, 276
- Nesting activities, analysis of, 30,
 173-86
- Number, ideas of, 1, 357
- Opium habit in, 1, 550
- Opossum, eye-appendages, signifi-
 cance, 28, 496
- Orientation among homing, 12, 391
- Oriole, Baltimore, intelligence tests,
 21, 47-54
- Owl, after-image in, 27, 324 *ff.*
- Paramoecium, acts of psychological
 import, 10, 503-6
 behavior, 12, 141; determined by
 irritability, 10, 514
 life determined by structure, 10,
 506, 512
 mind lacking, 10, 514 *f.*
 reagents do not attract, 10, 509 *ff.*
 repulsion explained, 10, 511-4
 structure determines life, 10, 506,
 512
 study-outline for, 10, 403-7
- Perch, educability of, 12, 354-60
- Physa, biology of, 23, 482 *f.*; in-
 stincts genetic, 19, 202 *ff.*
- Physiology, comparative of lower
 animals, 13, 576
- Pigeon, orthogenic evolution of, 30,
 325 *f.*; spinal nerves of, 3, 92
- Play of, 7, 301; 10, 162; work and,
 8, 578
- Porcupine, learning process in, 24,
 596

Animals (*continued*)

- Problems of, 10, 256; 21, 333, 343;
 22, 131, 133, 319, 474; 23, 142,
 162 *f.*, 341 *f.*, 474, 590, 593;
 25, 1-31; 131-6
- Proteus, light-perception by skin,
 3, 211
- Protozoa, 2, 343; 3, 126 *ff.*; 10, 503-15
 consciousness in, evidence, 11,
 178 *ff.*
 daily life of, 6, 524 *ff.*
 fatigue, 6, 532 *f.*
 food selection by, 10, 506 *f.*
 heredity, variation and evolution
 in, 20, 458
 mind in, 10, 503-6; 11, 166-80
 nucleus function, 2, 343
 sensitivity of, 6, 529 *ff.*
 social life of, explained, 10, 507 *ff.*
- Psychic development, man *vs.*, 27,
 71-86; of young, 7, 302
- Psychic research with, 25, 1-31
- Rabbit, eye-appendages, significance,
 28, 495 *f.*; facial nerve, cortical,
 centers, 1, 695; pupillar reflex in,
 1, 314; testes, vary in weight, 14,
 5; vision, monocular, 1, 314;
 wink-reflex in man and, 1, 314
- Raccoon:
 apparatus for studying, 18, 463 *ff.*
 association in, 18, 477 *f.*
 bibliography on, 18, 488 *f.*
 curiosity in, 18, 452 *f.*
 dexterity with paws, 18, 451 *f.*
 discrimination of sound, 22, 116 *ff.*
 excrement disposal, 18, 459 *f.*
 experimentation method, 18, 465 *f.*
 experiments on, 18, 462-87
 fear in, 18, 454 *f.*
 food of, 18, 450
 geographical range, 18, 448
 greed in, 18, 455
 habit-formation in, 18, 467-72,
 477-82
 hibernation, 18, 458 *f.*
 imitation in, 18, 482-7; 22, 583 *ff.*
 instinct in, 18, 452-60, 482-7
 intelligence of, 19, 147
 learning in, 18, 466-77
 memory in, 18, 477 *f.*
 methods for opening locks, 18,
 466-72
 perception in, 18, 479-82; bright-
 ness and color, 18, 478-82
 physical characteristics, 18, 450
 play in, 18, 455-8
 popular opinion of, 18, 449
 temperament in, 18, 460 *ff.*
 vocalizations of, 18, 453 *f.*

Animals: Raccoon (*continued*)

- washing of food, 18, 450 f.
- zoological kinship, 18, 448 f.
- Rat, affective states in, 11, 98
- behavior in maze-running, 12, 206-39; sex-differences, 12, 211 f.
- curiosity, 11, 99
- domestication, effect of, 12, 212, 221
- imitation in, 11, 162 ff.; 12, 213 f.
- intelligence, 11, 100
- maze-experiments, tame *vs.* wild, 12, 210 f., 219 ff.
- mental development, 11, 80-100; processes, 11, 133-65; 12, 206-39
- modality of sensation in, 12, 232-9
- motor activity in, 11, 81-98
- sensibility in, 11, 81-95
- smell in maze-experiments, 12, 213, 232 f.
- tactual motor senses, in maze-experiments, 12, 237 ff.
- vision in maze-experiments, 12, 233-7
- Rat, white, activity of, 19, 148
- learning capacity, 10, 277 ff.
- maze-learning, effect of length of blind alleys, 29, 127
- sensibility in, 11, 81-95
- study-outline for, 10, 419-26
- Reasoning in, 11, 106 f.; 25, 1-31
- Response, nature of, 30, 187-210
- Robin, Golden, *see* **Animals: Oriole**
- Salamander, cranial nerves, 4, 301 f.
- Seal, brain of, 2, 308 f.; pineal gland in, 2, 313 f.
- Sensation in, 2, 171 f.
- Senses of, 2, 171 f.
- Sensitiveness, to ultra-violet light, 1, 715
- Slug, study-outline for, 10, 410-13
- Smell, 1, 739; in wasps, 10, 262-5
- Snail, genetic instincts, 19, 202 ff.; *Physa gyrina* (Say) learning process, 29, 127
- Societies, 6, 142
- Soul in, 15, 150 ff.; represented by, 15, 132-7; *see also* Soul
- Sparrow, bibliography of, 17, 270 f.; discrimination of color, 15, 337 ff.; of design, 15, 344 f.; of form, 15, 336 f.
- maze test, 15, 339-44
- size of, 21, 177 f.
- Sparrow, English, 15, 313-46; 17, 248-70
- food reaction, 15, 316 f.
- form-test for, 15, 335 f.
- imitation in, 15, 324 f., 345; 16, 191 f.

Animals: Sparrow (*continued*)

- intelligence, 15, 314 ff.; tests, 21, 9-54
- learning, 15, 317-29, 339-45; 16, 193 ff.
- number test, 15, 329-36, 346
- Porter's experiments, 15, 313-46
- puzzle-box for, 15, 317-29
- song and call-notes, 16, 190 ff.; when reared by canaries, 16, 184 ff.
- Sparrow, Field, intelligence tests on, 21, 32-8
- Sparrow, Fox, intelligence tests on, 21, 38-41
- Sparrow, Song, intelligence test on, 21, 32-7, 38-41
- Sparrow, Tree, intelligence tests on, 21, 38-41
- Sparrow, Vesper, maze tests on, 17, 252-7
- Sparrow, White-crowned, intelligence tests on, 21, 38-41
- Sparrow, White-throated, intelligence tests on, 21, 32-7
- Speech of, 6, 457
- Spider, 7, 439; 17, 306-53
- bibliography on, 17, 354 ff.
- habits of, 17, 306-53
- instinct of, 17, 316-53; feigning, 17, 312 f.; food-getting, 17, 334-8; mating, 17, 341-8; web-shaking, 17, 338 ff.
- intelligence, 17, 316-20, 334-8
- literature on reviewed, 17, 308-14
- memory in, 17, 310, 352
- mental powers, 1, 716 f.
- senses, 17, 309-13, 339-41, 353
- sexual selection in, 17, 347
- tropism *vs.* plasticity in, 17, 348-51
- vision in, 17, 310 ff., 339 ff., 353
- web-building by, 17, 316-34
- 'Spinal,' 3, 88; 15, 559; reflex coördination in, 15, 557-61
- Squirrel, eye-appendages, significance, 28, 491-5
- Starfish, behavior, 19, 280
- Stentor, regeneration in, 3, 100
- Stories of, 10, 600
- Superiority over man, 12, 391
- Tame, wild traits in, 9, 416
- Taming of, 1, 350 f.
- Thought in, 25, 181 ff.; theories of, 25, 6 ff.
- Tiger, representing the soul, 15, 136; Thayer model, 25, 295
- Toad, behavior inherited, 28, 185
- Training of, 5, 205-13; treatment and training of wild, 21, 333 f.
- Triton, spinal chord of, 3, 92 f.

Animals (*continued*)

- Tropisms in, 2, 187 f.; *see also* Tropism; Geotropism
- Turtle, grasping responses, 30, 205 f.; 'spinal,' reflex coordination in, 15, 559
- Vertebrate, fovea in, 8, 129; head of, 8, 126; movements of young, 12, 11 f.
- Vorticella gracilis*, experiments on, 10, 257-62; rest and activity in, 12, 168 f.; psychoses and selective activities, 10, 258 ff.; study-outline for, 10, 401 f.
- Walrus and seal, pineal gland in, 2, 313 f.
- Wasp, smell in, 10, 262-5
- Woodpecker, Red-headed, food-box and maze tests on, 17, 261
- Zoological Gardens, research opportunities of, 12, 264
- See also* Comparative Psychology
- Animal spirits, 2, 66; action and, 3, 76 f.
- Animal traits in man, 19, 573
- Animism, 9, 467-80, 492; 19, 159, 184-9; 29, 436; childhood's, 9, 495-503; Greek, 4, 178 f.; manism and, 29, 21; poetry's, 10, 213; primitive religion and, 27, 171 ff.; soul as animate, 15, 132-7; spirits and the soul, 15, 123-6
- 'Anlage,' 14, 554
- Année psychologique, *see* Periodicals
- Anorexia, cured by suggestion, 4, 467 f.
- Anosmia, in synaesthesia, 18, 342; three forms of, 10, 104
- Ant, *see* Animals
- Anthropology:**
- Acculturation, 10, 154
- African races, 6, 641 f.
- Agriculture, beginnings of, 8, 134
- American Indians, 6, 643; 20, 292; 23, 151 f.
- Algonkian names of Siouan tribes, 8, 138
- belief in soul, 15, 125 f.
- calendar of Mexican and Central, 6, 456 f.
- Athapascan written language acquired by, 17, 72 f.
- Cherokee alphabet, 17, 73-6: ball-play, 3, 271; medicine, 3, 271
- Chilkat, boys, 29, 75; culture, 29, 66; dead disposal, 29, 79; girls, 29, 77; traders, 29, 70; woman's position among, 29, 78
- Chinook jargon, 17, 73; written language acquired, 17, 73
- Cree word for 'taste,' 14, 410-7
- food and cookery, 8, 138

Anthropology: American Indians (*continued*)

- gambling among, 13, 373 f.
- half-blood, 6, 642 f.
- idea of disease, 20, 224
- Iroquois condoling council, 8, 136; written language acquired, 17, 73-6
- language, 1, 186; 6, 454-7; 21, 376 ff.; 22, 473, 604; whip-poor-will in, 8, 138
- left-handedness in, 8, 135
- memory in, 10, 239
- music of, 6, 283, 285 ff.
- myths of, 8, 133
- Navaho ceremony, 8, 133
- Ogowe institutions, 14, 262
- Ojibwa song, 21, 332
- Ojibwa-Nipissing taste-words, 14, 411
- pictographs, 1, 348
- psychological and medical observations, 20, 292
- reading acquired by, 17, 69, 71-9
- soul, belief in, 15, 125 f.
- taste in, 6, 282
- vocal music of, 7, 135
- words for 'fear,' 10, 302-5; for 'love,' 1, 186; for 'soul,' 15, 127 ff.; for 'sour,' 14, 415; for 'taste,' 14, 410-7
- written language acquired by, 17, 69-79
- Animals in human thought, 21, 511
- Arrow, 8, 135; poison, 3, 271
- Art, primitive, 8, 132; Solomon Islands, 1, 730
- Australian, 23, 587 f.; art, 8, 133; language, 12, 605; Northern Territory, 26, 460 f.
- Bawenda of the Spelonken, 20, 465
- Bestial traits in man, 19, 573
- Birth among primitive peoples, 3, 262
- Borneo head hunters, 13, 575
- Buganda, 23, 335 f.
- Charms and amulets, 20, 231 ff.
- China, domestic possession in, 20, 250 ff.; evil-spirit theory in, 20, 225; primitive healing art, 20, 227, 231
- Cosmologies, 8, 131
- Dead, disposal among Chilkat, 29, 79
- Deafness among primitive peoples, 16, 121 f.
- Definition of, 21, 371
- Devil worship, 8, 134
- Eskimo, written language acquired by, 17, 73; hypnosis among, 1, 553

Anthropology (continued)

- Ethical aspects of Chilkat culture, 29, 66
- Ethics of primitive man, 21, 375; of tribal society, 6, 282
- Ethnic psychology, 16, 138
- Ethno-botany, 8, 137 f.
- Europe prehistoric, 22, 320
- Family, Annamite, 8, 136; primitive, 13, 323
- Fear, words for, 10, 302-5
- Folk-lore, psychoanalytic interpretation, 21, 104-10; wish-fulfillment and symbolism in tales, 19, 432; 21, 168
- French fecundity, 8, 136
- Ghostland, lords of, 19, 148
- Hand in, 19, 424
- Hearing in primitive peoples, 20, 154
- Heroes, myths of birth of, 21, 168
- Hinduism, cradle-tales of, 19, 146
- Human progress, first steps, 13, 323
- Initiation rites, 6, 63-73
- Infant, locomotion among primitives, 12, 22 f.; treatment of, 12, 19-22
- Infanticide, 6, 76
- Insects in, 21, 512
- Iron age in America, 8, 134
- Japanese color names, 8, 137
- Jealousy among primitive peoples, 17, 487-91
- Kathlamet (eskimo) texts, 13, 456
- Kordofan tribes, 24, 287
- Korean games, 8, 136
- Kungar-bag, 8, 134
- Labor, primitive, 8, 136
- Language, written, acquirement of, 17, 69-80
- Lectures on, 29, 128
- Left-handedness in aboriginal America, 8, 135
- Literature reviewed, 1, 186 f., 348 f., 541 f., 728 ff.; 7, 130-5; 8, 131 ff., 587 f.; 22, 470, 473, 604; 23, 160, 339 ff., 483, 595
- Locomotion in infants of primitive peoples, 12, 22 f.
- 'Love' words of American Indians, 1, 186
- Malayan idea of death and disease, 20, 225
- Man and woman, 20, 459
- Man's origin and nature, 20, 155
- Man, primitive, construction and activities of, 14, 373; 21, 114
- Mediaeval glamor, 8, 134
- Medicine, primitive, 6, 458 f.; 20, 227; 25, 182

Anthropology (continued)

- Medicine-bag, 20, 227, 229; man, 20, 228, 235, 260
- Melanesia, poisoned arrows of, 3, 271
- Mental development in child and race, 7, 142
- Migrations of peoples, 10, 2; of primitive man, 10, 45-64
- Money among New Britian natives, 1, 729 f.
- Morality, primitive, 29, 387
- Music, primitive American, 21, 332
- Nature races and culture races, 21, 512
- Negro, experimental study of, 27, 578; folklore and myths of, 1, 729; Bahamian, 2, 519-42; memory in, 10, 240; sociological study, 26, 308 ff.; West Indian, 8, 134
- New Britain, native money of, 1, 729 f.
- New Guinea, 23, 584 f.
- Night, folk-psychology of, 19, 19
- Northern Australia tribes, 26, 460 f.
- Onomatopoeia in primitive peoples, 16, 130
- Palaeolithic man in Europe, 24, 590
- Palestine peasantry, 20, 467
- 'Pamunkey,' meaning of, 8, 138
- Personality concept, 27, 183 ff.
- Peruvian civilization, 7, 133
- Phallicism, *see* Phallicism
- Poison, primitive concept of, 3, 271
- Portrait as representing the soul, 15, 139 f.
- Primitive:
 - art, symbolic, 21, 379, 383
 - concept of property and self, 27, 180 ff.
 - man, anthropomorphic or zoö-morphic, 27, 171, 192 f.; clothes and, 27, 217 ff.; credulity in, 27, 174 f.; crying in, 17, 151-5, 172 ff., 180; ethical limitations of, 21, 375; funeral ceremonies of, 27, 199 ff.; initiation rites and ceremonies, 27, 188 ff.; 197 ff.; jealousy in, 17, 487-91; life and thought of, 25, 315; object and attribute confused by, 21, 377 f.; philosophy of, 21, 341 f.; psychology of, 13, 578; rationalizations of, 21, 382 ff.; written language acquired by, 17, 69-79
 - mind confuses subjective and objective phenomena, 27, 173
 - notions of reincarnation, 27, 187; of self, 27, 171-202; of sin and punishment, 27, 185 f.

Anthropology: Primitive (*continued*)
 religion, basis of, 27, 171; pantheism in, 27, 193 ff.; social organization and, 21, 380; totemism, 21, 374 f., 380
 Psychological problems in, 21, 371-84
 Race and history, 20, 464
 mongrel and, 20, 152
 questions, 20, 588
 Racial anatomy, 8, 137
 Rosaries in the U. S. National Museum, 20, 596
 Salishan Indians, written language acquired, 17, 76 f.
 Savages, and children, 21, 114;
 gambling among, 13, 373 f.; suggestion and, 20, 115
 Self, primitive notions of, 27, 171-203
 Sensitivity of women, 8, 137
 Sex-life of Australian and Oceanian, 20, 152
 Shamanism, 7, 131; 20, 116, 227, 229 ff., 238
 Similarity of arts, customs and ideas among races, 21, 373 f.
 Soul, animals representing, 15, 132-7;
 belief in, 15, 122-7; belief in, related to dreams, 15, 130 ff.; composition of, 15, 140; form of, 15, 142 f.; found in animals, 15, 150 ff.; in plants, 15, 152; Iroquoian idea of, 7, 130; localization of, 15, 148 ff.; plurality of, 15, 145-8; primitive ideas of, 15, 122-6; relation to body, 15, 140; relation to ghosts, 15, 143 ff.; shape of, 15, 141 f.; words for, 15, 127 ff.; *see also* Soul
 South America, 15, 311
 Suicide among primitive people, 6, 641
 Symbolism, 3, 256; in primitive decoration, 21, 379; of primitive races, 28, 610
 Taboo (Tabu), 29, 386; in education, 27, 154; origin of, 21, 381 f.; overcome by water, 10, 211 ff.; removed by infant baptism, 10, 211 ff.; sexual, 7, 131
 Taste-words, of American Indian, 14, 410-53
 Tattooing, 1, 730; 6, 68; 7, 181-4
 Temperance idea in primitive man, 11, 325
 Totem, Lang on, 17, 248 ff.; primitive notions of, 27, 187; reincarnation and, 27, 187; taboo and, 25, 315
 Totemism, 20, 223; defined, 21, 374, 380; forms of, 21, 374 f.

Anthropology (*continued*)
 Tribal organization, Chilkat, 29, 66
 Tsimshian texts, 14, 119
 Uganda protectorate, 14, 119
 Vampire in New England, 8, 132 f.
 Water, ceremonial use, 10, 209 f.
 Wife-capture, an impulse to action, 10, 53 f.
See also Ethnology; Folk-lore
Anthropometrical examination, 3, 220
Anthropometric measurements:
 Averages, value of, 9, 264
 Birth, length at, 9, 255; length and weight at, 12, 5 f.; length and circumference of limbs at, 12, 13 f.; sex-differences at, 12, 13-19; weight at, 9, 260; weight and length at, 12, 5 f.
 Brain, weights of, 21, 171
 Child, 9, 253-326
 bibliography (annotated), 9, 315-26
 growth, 1, 348 f.; accelerated, 9, 307; bibliography, 9, 315-26; compensation theory, 9, 304 ff.; curve for average American, 9, 261 ff.; heredity in, 9, 268; resistance to disease and, 9, 290-5; susceptibility to disease and, 9, 286-90; nutrition affects weight more than height, 9, 281; problem raised by, 9, 309-14; rhythm in, 9, 269-72, 299-302; variation due to climate, 9, 285 f.; variation due to foodstuffs, 9, 282 f.; variation due to nutrition, 9, 272-82; variation due to race, 9, 284 f.; variation due to social status, 9, 272-82
 height and age in various countries and cities, 9, 257; charts of during growing period, 9, 258 ff.; growth in, 9, 256 f.; growth in during adolescence, 9, 257; growth in during first year, 9, 256; growth-rate variations, 9, 257; methods of measuring, 9, 258 f.
 weight and age, in various countries and cities, 9, 260 f.; charts during growing period, 9, 260 ff.; growth in, 9, 259; growth in during adolescence, 9, 261; growth during first year, 9, 260; growth-rate variations, 9, 261; measurement of, 9, 261
 College students, 4, 420-28
 Criminals, 3, 385 f.
 Fetus, length of limbs, 12, 3

Anthropometric (*continued*)

- Growth, by parts, 9, 302 ff.; height *versus* weight as index of, 9, 259, 282 f.; persistence of, 9, 306; relative of different parts, 9, 303 f.
- Infant, arm's length, 9, 450 ff.; arm's strength, 9, 452
- Men, college (Univ. of Wis.), 4, 426
- Mental and motor ability correlated, 12, 193-205
- Proportions, relative, of the body parts at different ages, 12, 6 f.
- Strength of 1507 school children, 10, 392-8
- Spinal curves, relative lengths at different ages, 12, 8 f.
- Twins, 19, 142; 28, 463
- Weight, class standing and motor ability compared, 12, 204 f.
- Anthropometry**, 1, 738; 13, 587; crime and, 3, 123; social questions and, 6, 285; South Kensington Museum of, 1, 738
- Anthropomorphism**, 20, 118, 222 f.; defined, 21, 365; in study of behavior, 21, 365 f.; psychology of, 15, 295; primitive man's, explained, 21, 378
- Antipathies**, basis of, 10, 542-6
- Anti-pragmatism**, 20, 459; 21, 509
- Antitoxins**, fatigue, 19, 387 ff., 394
- Anxiety**, 23, 484; neuroses, 2, 176 f.; 21, 315 f.
- Apathetic temperament**, 19, 528; apathetic-active, 19, 531
- Ape**, *see* **Animals: Ape, Monkey**
- Aphakia**, fluctuation of attention and, 12, 331; 17, 84, 94 f.; 24, 396 ff.
- Aphasia**, *see* **Abnormal**
- Apnoea**, mental and physical effects of, 9, 561, 563-71
- Apparatus:**
- Accommodation, visual, 14, 170-3
- Acoumeter, 22, 603; tests, 15, 44 f.
- Acoustics, 23, 509 ff.
- Adaptation and after-image, frame, 15, 57
- Aesthesiometer, 19, 303, 305
application of, 27, 417 ff.
applicator, mechanical, 27, 566
Titchener's, 27, 418
- pressure, Jastrow's, 1, 552 f.; Jastrow's variable, 5, 248; Krille's, 6, 516; Washburn's, 6, 422 f., criticism of refuted, 6, 523; temperature, 4, 144
- Alimentary canal explorer, 26, 6-11
- Arm rest, 7, 150
- Ataxiagraph, 14, 355; defects of, 14, 628

Apparatus (*continued*)

- Atmospheric pressure on tympanum, 5, 345
- Audiometer, 15, 45
- Automatograph, 4, 398-407; 5, 224; 8, 395, 402 f.
- Blind-spot, 27, 479, 534 ff.
- Campimeter, rotary, 23, 449-53; wall, 15, 59
- Charts of optical phenomena, 9, 42 ff.
- Charts, wall-, twenty-five, 27, 545-9
- Chronograph, 6, 179 f.; history of, 2, 18-21; pendulum, 5, 385-9
- Chronophotography, 5, 109
- Chronoscope:**
- Ewald, 4, 211
- Hipp, adjustment for control of, 4, 208-12, 596 f.; control of, 18, 384
- vernier, 20, 187
construction of, 3, 174; 9, 191 ff.; control of, 9, 194 f.; counting-attachment for, 3, 366-70; improved, 9, 191-7; method of using, 9, 195 ff.; Sanford's improved, 12, 590-4; simple and inexpensive pattern, 3, 174-81
- Circuit-breaker, pendulum form, 6, 581 ff.
- Clamps, 4, 499
- Class experiments, 14, 175-91
- Class-room demonstration, 14, 439-55
- Clinostat, Jastrow-Moorehouse, 5, 241
- Color-blindness**, 25, 299 f.
- Hering's described, 1, 706 ff.; 30, 418-22; adjustment of, 30, 418-22; "Directions for use" sought, 25, 298
- Holmgren's worsteds, 25, 297
- Color-mixer**, 24, 33; 28, 409; Hering's, 1, 706 ff.; indirect-vision (Hering's), 25, 298; liminal, 28, 409-18; new, 4, 212 f.; six-fold, 15, 58 f.; top, 6, 297; spectrum-top, 7, 150; variable, 27, 538 ff.
- Color models**, double cone, 20, 16
- octahedron, 20, 16
- pyramid, 7, 387, 392; 20, 15-21; Lambert's, 20, 15
- sphere, 20, 15; 23, 239 ff.
- triangle, 6, 297 f.; criticised, 4, 472
- Color-test**, birds, 15, 337 f.
- Competition-effect, 9, 518 f.
- Complication, 4, 531; 5, 239-44
- Complication pendulum, metronome as, 15, 581

Apparatus (*continued*)

- Compressed air, 4, 582; gasometer, Whipple's, 13, 221; 14, 107-12; 15, 57; 24, 469; system, 28, 278
 Contrast frame, 15, 58
 Contrast, Hering simultaneous, 1, 707
 Counter, mechanical, 5, 139 f.; chronoscope attachment, 3, 367-70
 Craniometer, universal, 3, 235
 Depth (cards and diagrams for perception of), 7, 412-22
 Diaphragm, Aubert, 23, 236 f.
 Discriminative sensibility, 4, 142
 Disks, color, 5, 399 f., 408; adjustable, 24, 33 f.; demonstrating tints and shades, 9, 346-50
 Disk cutter, 15, 59 ff.; 27, 536 ff.
 Disk, Delboeuf, 28, 279 f.; for Fechner's colors, 13, 507; Masson, 5, 398; 15, 512 ff.; 17, 92, 96 f., 101; 24, 382; spiral, 4, 475
 Dynamograph, 5, 177, 277; 14, 528
 Dynamometer, 5, 144, 197, 274, 290; 14, 528
 Ear-drum, pressure-applying, 5, 345
 Electrical supply of a laboratory, 17, 274-9; 24, 33
 Episkotister, 7, 17 f.; Sanford's, 5, 371, 376 f.
 Equipment of a laboratory, 5, 260, 427-38; 11, 251-65; 19, 285 f.
 Ergograph, 19, 356; 20, 39, 48, 58; Bergström's, 14, 510-27; value as accurate measurer, 15, 307 f.
 Errors due to, 6, 428
 Evaporimeter (pèse-vapeur), 5, 95
 Explorer, alimentary, 26, 6
 Exposure drum, 18, 216 f.
 Exposure, for paired comparisons, 27, 540 f.
 Eye-movements, direct attachment, 9, 572 ff., 583 f.; 11, 287; photographic, 30, 243; torsio-meter, 16, 201
 Food boxes, animal, 13, 139 f.; bird, 17, 257; monkey, 13, 111 f., 123 f.; raccoon, 18, 464 f., 486; rat, 11, 135
 Form, perceptual, 10, 142 f.
 Form test, animals, 13, 129; birds, 15, 336
 Galton bar, 7, 423
 Gasometer, Whipple, 13, 221; 14, 107-12; 15, 57; 24, 469
 Harmonium, Indian, 25, 296
 Head-rest, 4, 474; 23, 536
 Hering gray papers, 25, 297
 Illusion, color-size, 7, 26
 Interference-tubes, 30, 128 ff.

Apparatus (*continued*)

- Interrupters, 24, 321, 323; compound, 18, 214 f.
 Kinesiaesthesiometer, 1, 713
 Kinesimeter, 4, 154, 514 f.; 7, 150; 16, 361-6; 20, 370-3
 Knee-jerk recording, 1, 12 ff.
 Krypton, 7, 422
 Kymograph, 5, 140, 434 f.; 14, 542
 Lamella, 15, 47
 Lamp, daylight-mazda, 30, 313 ff.; daylight-roundel, 27, 427 ff.
 Laryngograph, 11, 237 f.
 Lifted-weight experiment, 4, 151; lifting with hand and with foot, 12, 241; weights of, 22, 182
 Logograph, Hensen's, 1, 315
 Masson disk, use in fluctuation of attention experiments, 5, 398; 15, 512 ff.; 17, 92, 96 f., 101; 24, 382
 Maze, birds, 15, 340; 17, 252 f.; Hampton Court model, 12, 208; monkey, 13, 180 f.; rat, 12, 206-10
 Memory, compound interrupter, 18, 214 ff.; exposure drum, 18, 216 f.; Spindler-Hoyer, 22, 206, 208
 Metronome, as complication pendulum, 15, 581; control of, 24, 318
 Microphone, Rousselot, 12, 497
 Models, brain, 4, 130-41
 Movement, joint-sense, 4, 154; recorder, 4, 514 f.; arm, timing, 16, 361, 365 f.
 Myograph, dynamometric, 5, 114
 Nervous conductivity, 14, 595, 601 f., 607 ff.
 Observation table, 20, 278
 Odor, stimuli preparations, 10, 112-6
 Olfactometer, 2, 481; 5, 95, 98 f.; 10, 110; double, fluid, 10, 111; origin of, 10, 85; Zwaardemaker's, 4, 304 f.
 Paired comparisons, 27, 540 f.
 Pèse-vapeur, *see* Apparatus: Evaporimeter
 Phakoscope, 4, 474
 Photometer, flicker, 12, 140; Kirschmann, 7, 400 ff.; 28, 279 f.; Martius, 15, 448; simple daylight, 27, 335-40
 Pictures for memory experiments, 18, 393
 Pitch-discrimination test, 20, 279 ff.
 Plethysmograph, 5, 435; 14, 13-20; finger, 18, 385; lamp-chimney, 18, 385; Lehmann's laboratory suggestions on, 27, 295 f.; Traube-Hering waves on, 15, 503; results with, in attention study, 16, 409 ff.;

- Apparatus: Plethysmograph** (*continued*)
 in feeling studies, 17, 533-46, 560-77; technique of, 17, 530-3
Pneumograph, 5, 95
Pressure, producing gradual changes in skin, 1, 73 ff.
Precision of movement, 5, 178 f.
Projection, 14, 479
Puzzle-box, animal, 13, 109-14, 123 f.; 18, 463 f., 486; bird, 15, 317-29; 17, 257, 21, 10 ff., 52 ff.
Reactions of arm, 16, 361, 365, 366
Reaction, continuous discriminative recording, 29, 128
Reaction-key, 4, 208-11; lip, 4, 200 f.; mouth, 5, 232, 234; telegraph, improved application, 28, 471-5; 'trigger,' 22, 88 ff.; 30, 334
Recorder, metal piston, 27, 542
Recording, wink reflex, 24, 4
Regard, field of, 6, 578 ff., 613-16
Retinal circulation, mapping of, 12, 284
Rhythm, 6, 228 f.; 24, 189, 194, 318; box controller, 23, 513 f.; hammer, 23, 514 f.; interrupter, 23, 511 ff.; metronome, 24, 318
Rotation table, 4, 150
Sensibolometer, 5, 281
Shock-key, 5, 243
Size-discrimination, for animals, 13, 133 f.
Slides illustrating the comic, 16, 112-8
Smell, care of, 10, 117
Sound-localization, 23, 509 ff.
Spectrum top, 7, 150
Sphygmograph, 5, 435; technique of, 24, 270
Stands, adjustable, 6, 580 f.
Standard, adjustable, 27, 543 f.
Steadiness, 14, 354 f.
Stereoscope, 20, 131; demonstrational, 20, 279; tachistoscopic, 7, 520; Sanford-Wheatstone, 19, 130-4; Wheatstone, 5, 263, 436
Stroboscope, 6, 467 f.; binocular, 6, 575
Surgeon General's Office, psychological equipment in, 3, 280 f.
Table for observing protozoa, 20, 278 f.
Tachistoscope, 20, 122, 130; 30, 45 f., 48 ff., 52 f., 60 f.
 Erdmann and Dodge, 15, 448
 Sanford, 1, 414-20
Tambour, demountable, 27, 542 f.
Tapping instrument, 30, 425 f.
Temperature, sensitivity of fishes, 10, 415; of stomach, 26, 486 ff.
- Apparatus** (*continued*)
Thayer tiger demonstration, 25, 296 f.
Tied-image demonstration, 25, 300
Tilt-board, 4, 148
Time-measurement, 4, 208-17; recorder, 4, 211 f.
Time relations, in music, 13, 35-8
Time-sense, 5, 283; 14, 419 ff.; Leipzig, 27, 6
Tonometer, 5, 283; Appunn, 11, 71 f.
Tuning-forks, adjustable wire, 27, 533 f.; Appunn, 15, 47; automatic hammer with, 23, 515 f.; 27, 532 f.; pitch-discrimination, 20, 279 ff.; rotating, 16, 487-92; variable intensity, 27, 530 ff.
Variators, pitch variation of with temperature, 26, 444-9
Vision, 'facial,' 5, 346 f.
Wall camimeter, 15, 59
Wall charts, 27, 545-9
Weights for minimal pressure, 4, 146
Whistles, bottle, 4, 313; Galton, 15, 48; pitch variation with temperature, 26, 444-9
Zoötrope, 5, 109 f.
See also Laboratory
- Apperception**, 5, 472; 20, 120 f., 128, 391, 474-85, 527, 534
 Active and passive, 8, 326-9
 Affection and, 12, 124
 Association and, 8, 329-34
 Attention and, 6, 650 ff.
 Connotation of, 12, 102 f.
 Conscious process, 8, 317-26
 Definitions of, 8, 317 f.; 11, 303 ff.
 Disturbance in insanity, 11, 303-11
 Introspection and, 23, 491 f.
 Of the spoken sentence, 12, 80-130; of the spoken symbol, 12, 102-30
 Passive and active, 8, 326-9
 Perception and, 11, 304
 Theory of, 2, 613
 Wundt's doctrine of, 8, 318-39
- Apperceptive connections**, 8, 334 ff.; association and, 8, 336-9
- Appetite, arousal of, Carlson's method**, 28, 444, 450; hunger *vs.*, 18, 446 f.; pleasure of, 25, 270 f.; psychological basis of, 28, 443
- Applied psychology**, 21, 270
 Detrimental to pure, 21, 407 f.
 Fundamentals of, 26, 306 ff.
 General psychology and, 26, 464 f.
 Medicine and, 28, 525 f.
 Southern California Association of, clinic, 29, 236; *see also Meetings*
 Trend toward, 21, 406

- Applied Psychology** (*continued*)
See also Advertising; Association Method; Children; Abnormal: Dementia praecox; Dreams; Education; Pedagogical; Psychoanalysis; Psychiatry; School; Testimony
 Apprehension, imageless, 12, 126; 'implicit,' 12, 126 f.; range of, *see* Attention: Range
 Apraxia, *see* Abnormal
 Arboreal ancestry of man, *see* Evolution: Man
 Archaeology, palaeolithic man at Ter-marara, 24, 590
 Architecture, psychological principles in, 6, 45 f.
 Aristotle, 14, 259, 263; experiment of, 4, 143; illusion of, 19, 574; idea of soul, 15, 160 f., 186, 379; 23, 481; 'other logic' of, 29, 431; works of, 14, 263
 Arithmetic, learning method, 27, 508 ff.; psychology of, 17, 1-37; teaching suggestions, 17, 20 ff., 24 ff., 30
 Arithmetical prodigies, *see* Prodigies
 Arm movement, 4, 217 ff.; asymmetry of, 1, 319 f.; cortical centers for, 6, 144; distance estimated by, 6, 369; length estimated by, 20, 374-85
 Army, nation and, 20, 457
 Army life, psychology of, 6, 650
See also Soldier
Art:
 Hysteria in, 1, 495
 Imitation in, 10, 155
 Origins of, 12, 600 ff.
 Primitive, 1, 730; 8, 132
 symbolic nature of, 21, 379-83
see also Anthropology
 Sex and, 7, 198-226
 Arthritis, pessimism and, 5, 113 f.
 Articulate sounds, records, 2, 482; affective reactions to, 26, 292-5
 Articulation, stuttering and, 25, 219 ff.
 Asceticism, 13, 72
 Ascetics, 23, 481
 Asphyxia, knee-jerk and, 1, 56 ff.
 Assault, murderous, as retrogression, 11, 203 ff.
 Assimilation, lapses explained by, 30, 274-90
 Associates, paired, with sound distraction, 28, 192
Association, 5, 33, 38, 82, 250; 13, 582; 20, 72 f., 321, 323, 330, 332, 341 f., 348; 22, 134
 Anaesthesia and, 25, 183 f.
 Apperception and, 8, 336-9
 Aristotle on, 2, 47-51
Association (*continued*)
 Arithmetical, 4, 42; operations and, 17, 1-37
 Articulation, suppressed, effect on, 26, 286 ff.
 Attention and, 7, 534-9
 Augustine on, 2, 60
 Classification of, 28, 248
 Color-, questions on, 14, 644
 Color, with sound, 5, 20-41, 416, 439, 455, 550; *see also* Synaesthesia
 Combination method, 25, 569
 Comic impression and, 16, 99 ff.
 Complexes revealed by language, 21, 376 ff.
 Condillac on, 2, 74
 Contiguity and, 2, 41, 49, 74, 81, 577 f., 595-601, 610
 Contrast and, 2, 41, 49, 181
 Correction of errors and, 18, 252
 Dementia praecox and, 28, 435
 Diagnosis of crime and, 22, 41
 Dream, 5, 331; 16, 9
 Drowsiness and, 22, 109 f.
 Ebbinghaus' explanation of, 18, 241 f.; laws of confirmed, 17, 9 f., 23
 Experiments in, 22, 39 ff.; history 1899-1909, 21, 415 f.; to 1904, 16, 215 f.; tree showing development, 25, 547
 Formation and retention of, by insane, 28, 419
 Feeble-mindedness and, 15, 428-32
 Forms of, 22, 8 ff.
 Forward vs. backward, 18, 239-42
 Fouillée on, 2, 576-9
 Free-, psychoanalytic aspect of, 30, 260-73
 Frequency of different kinds, 2, 487
 'Fromward' and 'initial' tendencies, 18, 244-52
 Hartley on, 2, 83; explanation of, 18, 239 f.
 Herbart's explanation, 18, 240 f.
 Hume on, 2, 81
 Immediate, 17, 34 f.
 In children, 10, 306; 20, 143; constitutional inferiors, 28, 435; idiots and imbeciles, 19, 286; insanity, 22, 320; reading, 12, 302-10; Spinoza's psychology, 17, 516
 Individual differences, 22, 3
 Inhibiting method, 23, 101
 Interference of, 5, 356-69; two types of, 24, 133 f.
 James on, 2, 583
 Kinds of, 5, 261 f.; 28, 248
 Law of, 5, 34

Association (*continued*)

- Learning picture-series and, 18, 396 f., 399-402, 417
 Limen calculated, 29, 219
 Loss after long fixation, 18, 185 f.
 Malebranche on, 2, 67
 Material basis of, 19, 265
 Measurement of, correlation, 15, 72-101
 Mediate, 22, 164 f.; 23, 101 ff.; arguments against, 18, 249 ff.
 Memorizing nonsense syllables and, 19, 47 f., 54 ff.
 Memory and, 2, 241-7; 11, 2 f.; literature on reviewed, 19, 144 ff.
 Mental arithmetic and, 18, 114 f.
 Morbid laws, 15, 590 f.
 Musical, 5, 265
 Numerals, 13, 450 f.
 Olfactory, 16, 537 ff.; 18, 326 f.
 Paretics and, 28, 435
 Perception and, 17, 285-90
 Perseverative tendency and, 25, 393
 Persistent, 5, 262
 Practice curve of, 22, 2
 Psychopathology, 15, 585 f., 590 f.
 Raccoons show, 18, 477 f.
 Reaction and, 4, 460-6
 Secondary law of, 5, 262
 Similarity, 2, 41, 49, 81, 578
 Smells, 16, 537 ff.; power of, 18, 326 f.
 Spinoza, 2, 68
 Stuttering and, 25, 244-7
 Successive, idea and, 3, 384; mental states and, 18, 208 ff.
 Tendency, determining, 23, 198 ff., 203 ff., 211 f.
 Tests, 24, 89; 29, 329; sex differences in, 24, 415; substitute for 'quiz,' 29, 128; suppression in, 24, 420
 Unconscious, 18, 236
 Vives on, 2, 65
 Words and, 4, 460
 Zanotti on, 2, 225 f.
See also Memory; Learning
- Associationists, 5, 278
 Association method, 20, 22, 25, 544-94; crime detected, 21, 230-5; environmental influence and, 21, 240-51; Freudian complexes and, 27, 119; instincts tested by, 27, 228 f.; mental diagnosis by, 21, 219-68, 162-7, 597; normal complexes correlation studied by, 27, 119-51; word-association and, 27, 119
- Association reactions:
 Age and, 27, 129
 Consciousness, 21, 597-602; 24, 564
 Delayed, 27, 127, 130-3, 136

Association reactions (*continued*)

- Distraction and, 27, 122, 130 f.
 Egocentric, 30, 300 ff.
 Emotion and, 27, 127, 130 f., 135 f.
 Emotional tone of, 30, 302 ff.
 Fatigue and, 27, 121, 130 f., 136
 Free, emotional tone of, 30, 302 ff.; types of, 30, 300 ff.
 Mental diagnosis by, 20, 22-35
 Normals vs. abnormal, 27, 127 f.
 Reaction-time and, 27, 120 f., 127 f., 131 f.
 Sex-differences in, 27, 128 f.
 Types of, correlated, 30, 300 ff.; individual, 27, 119, 121 f., 123 ff., 129 f., 141 f.
- Associations and coördinations, habitual and instinctive, 30, 399-405; interference of, 5, 356-69; 6, 250 ff., 267 ff., 433 ff.; mediate, 6, 239 ff.; *see also* Inhibitions
- Association-times, 2, 487 f., 609 f., 646 f.; feeling and, 29, 187; in insane, 2, 656 f.
- Association tracts, *see* Plasticity zone
- Associative combinations, 19, 52 ff.; connections between sounds, 20, 205; judgments, 20, 168; theory of synaesthesia, 5, 36 f.
- Assurance in recognition, 24, 537
- Astereognosis, 27, 75
- Astigmatism, attention and, 17, 90; visual acuity and, 30, 48, 58
- Astringent, 14, 413
- Astronomers, personal equation of, 4, 462 ff.
- Astronomy, 22, 135; and psychophysics, 20, 8
- Asymboly, 22, 66
- Asymmetry, bilateral, of position and motion, 4, 155; developmental, 5, 173, 177; facial and cranial, 5, 108; longitudinal, 5, 172; position and motion, 4, 155
- Atavism, 10, 323; infant clutching of hair, 9, 359
- Ataxia, 1, 324 f.; 2, 191, 514; 5, 192, 196; cortical, 5, 82; skin anaesthesia and, 1, 324 f.
- Ataxiagraph, *see* Apparatus
- Athapascan Indians, *see* Anthropology: American Indians
- Atomism, Münsterberg on, 15, 300
- Atomists, mind and, 29, 439
- Atrophy, 5, 86; cerebral, from spinal disease, 1, 737; muscular, 1, 540; progressive muscular, 2, 632
- Attention, 22, 136, 460 ff.; 23, 344
 Accompaniments of, 23, 363 ff.
 Active, mechanism of, 3, 282 f.

Attention (*continued*)

- Association affected by, 7, 428, 534-9
- After-image and, 16, 419 f.
- Analogy to vision, 20, 476
- Apperception and, 6, 650 ff.
- Area of stimulus *vs.*, 17, 88
- Association and, 7, 534-9; 573
- Attitude and, 16, 454 f.
- Auditory, range of, 3, 431 f.
- Beats and, 16, 444 f.
- Behavior of, during recognition, 26, 346
- Bibliography on, 7, 570 ff.
- 'Blanks,' 17, 6, 26, 36
- Cerebral anaemia in, 1, 204; volume during, 9, 242
- Changes of intensity *vs.* changes of extent and, 27, 453
- Choice and, 9, 587, 589
- Clearness-relievo in, 20, 126 f.
- Color brilliancy and, 13, 500
- Concentration of, 6, 540 ff.; 7, 441
- Conditions of:
 - change, 24, 474, 494; kind and direction of, 27, 453; rate of, 24, 482, 485 f., 501 f.
 - form, 26, 150 f.
 - intensity, 20, 476; 26, 150 f.; 27, 453; 28, 293 ff.
 - quality, 9, 332-43; 24, 482; 26, 449-53
 - size, 28, 293-6
- Consciousness and, 20, 120 f., 473-85
- Controlled in conjuring, 11, 478-84
- Critical, 7, 533
- Cutaneous sensation and, 16, 446 f.
- Degrees of, 10, 356, 379 ff.; 20, 502-29; estimated, 18, 311 ff.; related to hallucination, 17, 135 f.; *see also* Clearness: Degrees of
- Defined, as elemental consciousness, 20, 273
- Demanding-power of clicks and flashes, 10, 284 ff.
- Difference sensitivity and, 20, 124 ff., 128, 486, 488, 495; tone and, 16, 435 f.
- Direction of, Buridan on, 5, 278
- Distraction of, 2, 650; 5, 1-19; 7, 533-70; 8, 3, 405-13; 9, 45-55, 332-45; 12, 67 f.; 18, 314 f.; 27, 446, 457 f.; apperception of meaning and, 12, 122
- Distractors of, 27, 446, 457 f.; effect on, 24, 487 ff., 503 f.
- Divided, Paulhan on, 1, 358 f.
- Dual-level, 20, 527 f.; 24, 506; 27, 460; 29, 207
- Effort of, 23, 350 ff.

Attention (*continued*)

- Empirical work on, surveyed, 7, 552
- Expectant, sound-localization and, 26, 275-81; suggestion and, 19, 517
- Expectation and, 20, 532-5
- Experimental, 7, 533
- Experimentation in, up to 1904, 16, 214 ff.; from 1899 to 1909, 21, 412 ff.
- Facilitation and, 8, 20 ff.; and inhibition, 8, 33-41; by music, 9, 336, 344
- Fatigue and, 19, 390
- Fechner's colors and, 13, 500
- Feeble-minded children and, 15, 424-8
- Feeling and, 19, 569
- Fluctuation of, 3, 130 f.; 7, 554 f., 557; 11, 119-23; 17, 81-120; 19, 59; 24, 378; 27, 457
 - absent in direct retinal stimulation, 17, 84
 - adaptation and, 17, 83-119
 - aphakial subjects and, 12, 331; 17, 84, 94 f.; 24, 396 ff.
 - areal pressure and, 18, 310
 - blinking and, 17, 91
 - breathing and, 12, 319, 329 ff.
 - central theory of, 12, 315 f., 318, 320, 343
 - closing eyes and, 15, 512 ff.
 - cognitive clearness and, 27, 477-87
 - color-quality and, 17, 85-8
 - due to distance, 17, 91, 119; to practice, 17, 91 f.
 - explained physiologically, 12, 344 f.
 - eye-accommodation destroyed by atropin and, 12, 318, 331
 - eye-movement, causes, 17, 83-119; 27, 476 f.; during, 30, 241-52; voluntary and, 17, 91
 - fatigue and, 14, 541-52; 15, 512
 - Ferree on, 17, 83 f., 93
 - heart-rate and, 12, 327
 - independent of accommodation, 17, 84, 94 f.
 - indirect vision and, 17, 90
 - intensity changes and, 12, 342, 345
 - Killen's experiments with, 15, 512 ff.
 - long fixation and, 18, 182-6
 - liminal stimuli and, 18, 309, 316 ff.
 - literature on reviewed, 12, 314-21
 - measure of attention, 12, 337 ff., 340 f.; of efficiency, 12, 337 ff.
 - minimal visual sensations and, 19, 58-129
 - Münsterberg on, 15, 512, 514

- Attention: Fluctuation of** (*continued*)
 negative after-image and, 19, 58-129, 82-7, 103 f., 123
 norm not attainable, 12, 330
 normal, 12, 322 f.
 not universal, 17, 84, 95 f.
 peripheral theory of, 12, 314, 316, 320, 343; 30, 242
 physiological nature of, 12, 331-4
 physiological theory of, 12, 320
 pure tones produce none, 12, 595
 reflex-limen and, 26, 435
 sensory limen and, 26, 435
 respiration under certain stimuli (pain, smoking, odors) and, 12, 340 ff., 344 f.
 stimulus area and, 17, 85-8, 102-12, 117 f.
 training-effect in observing, 12, 321, 329
 Traube-Hering waves and, 12, 327 ff., 340; 15, 499-512
 vaso-motor periods and, 12, 326-9
 visual stimuli and, 12, 182 f.; 24, 378-409
 voluntary effort and, 12, 342 ff.
- Form vs. intensity as determinant of**, 26, 150 f.
- Functional psychology and**, 17, 303 f.
- Ideas and**, 16, 541 f.
- In arithmetical operations**, 17, 1-37; children, 20, 352; feeble-minded, 15, 424-8, 432-8; infants, 9, 351-4; subtraction, 17, 26-9
- Inhibition and**, 8, 22-33; 23, 345 f., 349 f., 357 ff.
- Insane and**, 19, 44 f.
- Intense stimuli and**, 20, 92
- Intensity and**, 5, 15 f.; 8, 43; 20, 476 f.; increased by, 1, 326 f.
 Münsterberg on, 8, 44 ff.
- Interest and**, 19, 14-18; 21, 344
- Kinds of**, 6, 304
- Knee-jerk affected by**, 1, 51 ff.
- Külpe's type**, 15, 312
- Learning and**, 22, 175
- Levels of**, 20, 527 f.; 24, 506; 27, 460; 29, 207
- Liminal sensitivity and**, 20, 489, 492, 495
- Maximal, duration of**, 18, 313 f., 318, 320
- Measurability of**, 21, 151-6
- Measured by:**
 attributive clearness, 20, 502-29; 24, 465-507; 27, 443-60; 29, 122 f.
 expression, 20, 492, 502
- Attention: Measured by** (*continued*)
 fluctuation, 12, 337 f., 340 f.; fluctuation-rate erroneously, 12, 323
 impression, 20, 492, 502-29
 mean variation, 27, 455
 muscular strength, 20, 494 f.
 peripheral vision, 20, 493 f.
 precision-degree, 20, 498 ff.
 reaction-time, 20, 496 ff.
 average, 24, 483 f., 501 f.; 27, 453, 456; 29, 204-7
 sensitivity, liminal and differential, 20, 495 f.
 Traube-Hering waves, 15, 499-512
- Measurement of:**
 auditory stimuli and, 24, 465-507
 cutaneous stimuli and, 27, 443-60
 historical survey, 20, 473-502
 mean variation, 24, 485 f., 502 f.
 method of graded distractors, 8, 405-13; 9, 45-55, 332-45; 20, 487, 501 f.
 Morgan on, 29, 122
 reaction-time, average, 24, 483 ff., 501 f.; 27, 453-6; 29, 204-7
 visual stimuli, 20, 120-30, 473-529
 Wirth's methods, 20, 120-30; criticised, 21, 151-6
- Mechanism of, anatomical**, 7, 428
- Memory after-image and**, 6, 558 ff.
- Memory image and**, 12, 67 f., 77 f.; arousal and, 27, 89, 102, 104, 106, 111, 114 f., 117 f.
- Minimal time-interval observations and**, 6, 566 ff.
- Motor-set affected by**, 23, 181 f.
- Motor theories of**, 8, 8 ff.
- Movement and**, 5, 424 f.; automatic and, 5, 223-31; precision of, and, 5, 189
- Muscular reaction and**, 3, 382; strength and, 20, 492, 494, 498
- Musical appreciation and**, 5, 43 f.
- Nature of**, 12, 313
- Organic sensation and**, 20, 393 f.
- Pain and**, 10, 489-95
- Pathology of**, 20, 141
- Perception related to**, 28, 558
- Peripheral vision and**, 20, 120-30, 491 ff., 497
- Persistent habit of, in observing retinal circulation**, 12, 287
- Personal equation in**, 27, 483
- Phenomena of**, 14, 612
- Physiological effects of**, 16, 409 ff.: Darwin on, 9, 544 f.; terms in theories of, 8, 4-7
- Pillsbury on**, 17, 593-6
- Pitch effect on**, 9, 332-43

Attention (*continued*)

- Plethysmographic study of, 16, 409-83
 Precision and, 20, 490, 492, 498-501
 Prior entry and, 4, 528-41; 5, 239-44; 15, 581
 Problems of, 11, 125, 426 ff.
 Range of, 7, 227-36; 10, 356 f., 381 f.; 20, 121 ff.; age and, 7, 228-31, 234; exposure-length and, 7, 233 f., 236; intelligence and, 7, 231 f.; in the reading-field, 11, 296-302; successive, 12, 533 f.
 Reaction and, 9, 242; muscular and, 5, 1-19
 Reaction-time and, 7, 533 f.; 20, 127, 129, 486 f., 490, 492, 496 ff.; measure of, 20, 508; 24, 483 ff., 501 f.; 27, 453 f., 456 ff.; 29, 204-7
 Reflex limen and, 26, 435
 Respiration during, 17, 406; thoracic and, 16, 261 ff.
 Rhythmic accent and, 12, 559 f., 577
 Rhythmic, in learning, 2, 601
 Ribot on, 1, 357; 2, 340
 Secondary tasks, effect on, 20, 509-29; 24, 503 f.; 27, 446 ff.
 Sense-organs during, 7, 429
 Size *vs.* intensity as determinant of, 28, 293
 Span of, relation to hallucination, 17, 135 f.; *see also* Attention: Range; Memory: Span
 Spontaneous, 18, 145 f.
 Stuttering and, 25, 238 ff.
 Subconsciousness and, 22, 171 f.
 Synaesthesia and, 5, 23
 Temporal displacement under, 4, 528-41
 Tests of, 10, 356 f., 379-82; discrimination of lifted-weight, 9, 332-43; mental multiplication, 19, 374 ff.
 Theories of, 8, 7-43; critical survey, 7, 436; descriptive, 8, 7-20; explanatory, 8, 20-43; Exner's, 8, 33 ff.; Külpe's, 8, 30-3; Marillier's, 8, 10-15; motor, 8, 8 ff.; Müller's, 8, 20 ff.; psycho-physical, 12, 167, 172; sensory, 8, 10-20; Wundt's, 8, 22-30
 Tickle and, 19, 341 f.
 Time judgment and, 27, 2
 Training methods for, 7, 441
 Visual, not identified with eye-fixation, 11, 297
 Visual imagery and, 27, 461-92
 Visual perception and, 7, 227
 Waves of, 1, 327, 548; daily variation of, 14, 549

Attention (*continued*)

- Weakens feeling, 19, 15
See also Clearness; Distraction; Expectation; Traube-Heringwaves
 Attitude, bodily, *see* Posture
 Attitude, conscious, 22, 214 ff., 319; 24, 432; 30, 8 f., 13 f.
 Analysis of, 22, 218 ff., 224 ff.
 Arithmetical operations and, 17, 5 ff., 13, 34, 36
 Attention and, 16, 454 f.
 Beliefs and, 29, 350
 Duration of movement and, 30, 225, 228
 Psychological, 23, 167 f.; Dickens' toward surnames, 29, 337; logical *vs.*, 23, 178 ff.
 Psychophysical judgment and, 28, 1
 Sensitivity measured by, 25, 538-43
 Sensory reaction and, 29, 143
 Stuttering and, 25, 235 ff.
 'Victorious,' 27, 294
See also 'Set'
 Attribute, 5, 70
 Clearness, objective measure of, 29, 204
 Mental, Wundt's doctrine of, 16, 499 ff.
 Quantitative, 14, 256 f.
 Regarded as object by primitive man, 21, 377 f.
 Tonal, differentiation of, 30, 162 f.; experimental study of, 30, 121-64; historical review of, 30, 122-7
 Wundt's criteria of, 17, 255 f.
 Audition, 4, 307-22; 5, 25; 14, 449; 22, 62 f.; 23, 62 f.
 Acuity, among primitive peoples, 16, 119; speech-tests for, 15, 26-41, 49-56
 Age at which associated with ear, 9, 357
 Attributes, differentiation of, 30, 162 f.; experimental study, 30, 121-64; historical review, 30, 122-7
 Binaural, 4, 320 ff.; ratio, 22, 250 ff.
 Class experiments in, 14, 449-52
 Colored, *see* Synaesthesia
 Deafness, 2, 182
 Development of, 23, 62; in child, 20, 143 ff.
 Distance of sound, intensity a criterion of, 21, 347
 Disturbance of, 22, 136, 460
 Habit-formation and, in the dog, 25, 315
 'Hearing-words' of primitive peoples, 16, 119 ff.

Audition (*continued*)

- Imagery in primitive peoples, 16, 125; in recall of pictures, 18, 403; kinaesthetic elements in, 21, 400 f.
- Images, 5, 321; descriptive study of, 13, 541-4
- Impressions, 5, 243
- In blind, 28, 236; primitive peoples, 16, 119 ff.; 20, 154
- Laboratory course in, elementary, 16, 293 ff.
- Limen, 2, 482; absolute, 2, 187
upper, 15, 48 f.; lower, 15, 46 ff.
Weber's law and, 2, 513
- Localization of ('nerve of space'), 5, 101 f.; bibliography of, 22, 250 ff.; historical review, 22, 250-71
- Membranous labyrinth and, 6, 639 f.
- Morbid, 20, 155
- Perception, musical, 5, 42 f., 55, 60, 63
- Physiology of, 5, 101 f.
- Range, by speech-method, 15, 50-6
- Reaction, *see* Reaction-time
- Rising inflection and, 14, 457
- Sensation in blind, 28, 236
- Sense, 5, 5, 13; in fish, 12, 359
- Sense of indirect perception as, 23, 63
- Tests of, 15, 14-56; 16, 302 ff.
- Theory of, 18, 174 ff.; Ebbinghaus', 15, 64 ff.; Greek, 4, 185 f.
- Tonal, 14, 450; 15, 62 ff.; tonal consonance theory, 21, 348
- Tones, analysis of, 16, 484 ff.
- Wave-form in, 18, 170-6
- See also* Beats; Imagery; Sensation; Sound; Tone
- Auditory:**
- Dreams, 5, 319
- Hallucinations, 1, 316, 738
- Memory consciousness, 20, 194-218; in mathematical prodigies, 18, 70 ff., 118-29
- Nerve, course of, 1, 330; tumor of, 1, 737
- Nucleus, 2, 475
- Organ of Laura Bridgman, 4, 283-9; *see also* Ear
- Rhythm, time-interval comparisons and, 18, 178-82
- Auditory-verbal *vs.* visual method of presentation, 27, 119 f.
- Audiometer, *see* Apparatus; tests, 15, 45 f.
- 'Aufgabe,' analysis of, 22, 230 ff.; effect of, 23, 102 ff.; recognition and, 26, 343-6; stuttering and, 25, 240 ff.;

'Aufgabe,' (*continued*)

- time-judgment and, 27, 18, 27, 33, 42 f., under anaesthetics, 22, 334, 337
See also Instruction; 'Set'
- 'Ausfrage' method, 22, 14 f., 37 ff.; 25, 572
- 'Aussage'-association method, 25, 569
- 'Aussage' experiments, Stern's, 15, 448; method, 21, 271; Wertheimer's method, 25, 569; psychology of, 23, 592
- Australian aborigines, ideas of death and disease, 20, 224 ff.; Northern Territory, 26, 460 f.; sex life of, 20, 152; *see also* Anthropology
- Authorship and research in psychology, 14, 591
- Autobiography, critical and comparative study of, 21, 338; history of, 19, 415
- Auto-erotism, defined (Freud), 21, 209
- Auto intoxication, 1, 347; sleep produced by, 12, 157, 160-4
- Auto kinetic illusions, 28, 476; theories of, 28, 483
- Automatic actions the basis of manners, customs and standards, 21, 381; drawing, 1, 725; movements of the larynx, 11, 237 ff.; writing, 22, 164; 26, 161-95; awareness lapse during, 26, 193
- Automatism, 7, 491 f.; 10, 601, 605; development of, 22, 177; in mental effort, 7, 492-502; psychomotor, 16, 549
- Automatograph, *see* Apparatus
- Autonomic nervous system and emotion, 25, 257-61
- Autosuggestion, *see* Hypnosis; Suggestion
- Average, regression to, 1, 173-9
- Average, regression to, in heredity, 1, 173-9
- Averages, class, correlation of, 15, 85 f.; *see also* Correlation: Mean
- Average deviation, criticised, 27, 234 ff.; measure of improvability rather than of variability, 27, 240 ff.; of the mean, 22, 96
- Average-error, *see* Method: Psychological
- Aviation, ocular functions with reference to, 30, 40 ff.
- Aviator, tests for, 29, 127; ocular tests, 30, 40, 42 ff., 59 f.
- Awareness, lapses during automatic writing, 26, 193; *see also* Consciousness
- Axis-cylinders, 1, 217 f.; structure of, 1, 702

- B**
- Babe**, *see* **Child**; **Childhood**
- Babylonian** idea of disease, 20, 225
- Background**, after-image affected by, 23, 556 ff.; sensation affected by, 23, 540 ff.
- Backward-alphabet** test, 27, 238
- Backwardness**, *see* **Child**
- Bacon**, influence on Hobbes, 11, 59 ff.; psychology of, 11, 56 9
- Bacteria**, 23, 592; photometric, 2, 671
- Baptism**, basis of, 10, 205 f.; *see also* **Religion**
- Beats**, attention and, 16, 444 f.; perception and localization of, 3, 383 f.; study of, 4, 314; Stumpf on, 15, 67 f.; theories of, Ebbinghaus', 15, 62-71; Helmholtz, 15, 66 f.
- Beauty**, 22, 134; love of, 22, 138; psychological aspects of, 16, 546
- Bee**, soul represented by, 15, 136; *see also* **Animals**
- Behavior**, 25, 1-31
 Acquired modifications inherited, 28, 175-214
 Animal, *see* **Animals**
 Children's, in play, 9, 353-62
 Consciousness and, 25, 491-4
 Criterion of consciousness, 25, 491-4
 Grasping responses, 30, 203-10; of human infant, 26, 525-39; 30, 207 f.
 Handling response of human infant, 26, 525-39
 Mechanism of, 30, 393 f.
 Modifiability of, 22, 474
 Neural correlates of instincts and habits, 30, 377-405
 Peristaltic nature of organic responses, 30, 186-210
 Psychology of, 29, 235
 Reaching response of human infant, 26, 525-39
 Reaction patterns, 30, 189-203
- Behaviorism**, G. S. Hall on, 30, 214
- Belief**, 8, 311; 13, 451; 24, 430; 28, 464
 Action and, 30, 407 f.
 Attitude and, 29, 350 f.
 Elements of, 14, 294
 Experimental study of, 21, 563-96
 In Jesus, varies with age, 9, 113; in God, varies with age, 9, 113; in Immortality, 7, 298; varies with age, 9, 113
 Knowledge and, harmonized, 16, 135
 Moral, ethical and social, 26, 470
 Nature and kinds, 26, 470
 Primitive mind and, 27, 174 f.
 Psychology of, 13, 451
 Realm of, 14, 288
- Belief** (*continued*)
 Religious, biological value of, 29, 383
 Rites and, of ancient peoples, 9, 414
 Superstitious, of college students, 30, 83-102
 Theories of, 21, 563 ff.
 Beliefs and attitudes, 29, 350
- Bell**, lore of the, 28, 612
- Bell's law** of nervous action, 3, 343-50
- Bergmann's experiment**, 4, 483 f.
- Bergson**, criticism of, 23, 586 f.
- Bergsonism**, 29, 395
- Berkeley**, psychology of, 4, 236-9
- Bernouilli's theorem**, 22, 299
- Bestial** traits in Man, 19, 573
- 'Bewusstseinslage'** feeling and, 17, 367; *see also* **Attitude**: **Conscious**
- Bias**, observational, 23, 438 f.
- Bibliographies**, announcement of, 8, 430; comments on, 7, 149, 449; of G. Stanley Hall (up to 1903), 14, 417-30; of James Ward, 23, 457 ff.; of Wilhelm Wundt, 19, 541-56; 20, 570 f.; 21, 603 f.; 22, 586 f.; 23, 532; 24, 586; 25, 599
- Bibliography**:
 Adolescence, regeneration at, 6, 104-6
 Amnesia, retroactive, 14, 395
 Association method (Tatbestandsdiagnostik), 20, 35 ff.; 21, 268 f.; 25, 584-91
 Attention, 7, 570 ff.; physiology of, 16, 481 f.
 Auditory localization, 22, 250 ff.
 Brain's anatomy, 4, 292 ff.
 Bridgman, Laura, 3, 338-41
 Castration (annotated), 10, 296-301
 Children's growth (annotated), 9, 315-26; primitive activities, 21, 149 f.; societies, 9, 447 f.
 Climate, psychophysics of, 20, 8-14
 Color-blindness, 22, 404-7
 Comte, August, 29, 180 f.
 Crying, 17, 202-4
 Depth, monocular perception of, 7, 423 f.
 Epidemics and pestilences, 18, 57-60
 Fatigue, 19, 358, 398
 Feeling, expressive method, 17, 559
 Folk psychology, 19, 41 f.
 Geotropism in animals, 26, 424-7
 Hallucinations, auditory, 17, 133
 Healing miracles, 20, 265-8
 Humor, 18, 440 f.
 Indirect vision, 6, 504
 Individual differences, 2, 423-30
 Jealousy, 17, 495 f.
 Language-learning by primitive peoples, 17, 79 f.

Bibliography (*continued*)

- Language of childhood, 6, 135-8
 'Latin American' republics, 27, 295
 Learning, psychology and physiology of, 14, 250 f.
 Legibility of type-faces, 23, 34 ff.
 Lifted-weight experiment, 12, 259-63
 Localization, auditory, 22, 250 f. (footnotes)
 Memory, 2, 614-22; effect of changes in time-variable, 18, 238; representation-rate and, 18, 238
 Mental deficiency, 15, 442-6; life of animals, 13, 217 f.
 Miracles of healing, 20, 265-8
 Motor ability, voluntary, 5, 203
 Music (classified), 23, 302-8
 Musical enjoyment (classified), 23, 302-8
 Nervous system, development of, 28, 55 f.
 Normal complexes, 27, 150 f.
 Paramnesia, 24, 65
 Personal equation (individual differences), 2, 423-30
 Pestilences and epidemics, 18, 57-60
 Psychophysics of climate (annotated), 20, 8-14
 Raccoons, 18, 488 f.
 Reasoning, 18, 503 f.
 Recognition, 26, 384-7
 Religion, 29, 46-9
 Revivals, Edwardean, 13, 574
 Rhythm (annotated), 13, 28-34; 24, 508; 26, 457 ff.; 29, 214-8
 Sensible temperature (annotated), 20, 8-14
 Sleep, 12, 174-7
 Soldier, 28, 346 ff.
 Space-perception, visual, 7, 423 f.
 Sparrow, 17, 270 f.; songs and call-notes of English, 16, 198
 Spiders, 17, 354-7
 Stuttering, 25, 249-55
 Synaesthesia (synaesthesia), 5, 38 f.
 Visual cortex, 4, 512 f.
 Writing, hand- and school intelligence, 17, 404 f.
 Binaural ratio, 22, 250 ff.
 Binet intelligence tests, 21, 280 f.; 27, 79, 82; suggested revision, 26, 615 f.
 Binet-Simon scale, principles underlying and its correct use, 26, 615 f.; Stanford revision of, 29, 352
 Biochemistry, research in pathological psychology and, 28, 117
 Biodynamics, 20, 65-71
 Biogenesis, 20, 56-71
 Biographies, clinical, 16, 140; Baird, J. W., 30, 120; Beneke, F. E., 7,

Biographies (*continued*)

- 300; Fechner, G. T., 5, 422 ff.; Froschammer, J., 8, 424; Hobbes, T., 16, 137; Huxley, T. H., 13, 452; James, W., 23, 476; Morris, G. S., 28, 608; Pascal, Bl., 12, 612; Poe, E. A., 23, 484; Rousseau, J. J., 3, 406-29; Tasso, T., 5, 90 f.; Spencer, Herbert, 16, 136; Zeller, E., 4, 156-75; *see also* Obituaries
 Biologica' determinism, personality and, 8, 418; *see also* Philosophy
 Biological-empirical psychology, 20 60-106
 Biological researches at University of Madrid, 19, 575; theory of pleasure and displeasure, 19, 405; use of emotions, 15, 575; value of religious belief, 29, 383
 Biology, analytic method in, 21, 353 f.; behavior of lower organisms, 21, 349-70; coloration in animals, 21, 500; Darwin and Origin of Species anniversary addresses, 21, 336; desert plants distribution, 21, 346; heredity and social responsibility, 21, 337; life's origin and development, 19, 168, 170-4, 177 ff., 190; makers of, 19, 424; physico-chemical methods and results, 21, 352 f.; principles (Mendel), 21, 329; problem of, 21, 369; psychology and, 17, 302 f.; 20, 148; 22, 135, 474; sociology and, 19, 143; theoretical, 13, 323; *see also* Animals; Evolution; Genetic Psychology; Textbooks
 Bird representing the soul, 15, 133 f.; *see also* Animals
 Birth, among primitive peoples, 3, 262; order of and sensitivity to pain, 10, 394-7, and strength, 10, 394-7; *see also* Primogeniture
 Birthplaces of leading Americans and heredity, 21, 348
 Birth-rate in France, 3, 263
 Bi-vision, *see* Image: Double
 Black Death, psychological phenomena accompanying, 18, 2-19
 Blind animals, sensitivity to light, 1, 715 f.
 Blind, auditory sensations in, 28, 236; brain and sense organs of, 4, 248-94; child's idea of night, 14, 34; cutaneous ghosts in, 28, 231 f., 234; cutaneous sensation in, 28, 231 f., 234; dreams of, 1, 313; olfactory sensations in, 28, 236; psychology of, 28, 229; visualization in, 28, 229 f., 235

- Blindness, cortical, 3, 374 f.; hysterical, 1, 742; psychic, 1, 183; 2, 496 f.; 27, 77; recovery from, 2, 508 f.
- Blind-spot, 4, 482 f.; apparatus, 27, 534 ff.
- Blood, circulation, according to Harvey, 27, 292; composition *vs.* emotional expression, 25, 265 ff.; composition and mental activity, 6, 264 f.; composition during school life, 26, 616; covenant, 6, 74; in insanity, 1, 363; pressure in epilepsy, 2, 673; soul located in, 15, 148 f.; superstitions about, 6, 282
- Blood-vessels, reflexes carried by, 3, 74 f.
- Blushing, 25, 371-3, 375 f., 380-2
- Bodily harm, fear of, 25, 339-47
- Body, human, composition and structure, 12, 7-12; earliest parts to attract infant attention, 9, 351-7; mind and, 16, 184 ff.; 22, 491; 23, 162; Strong on, 15, 302 ff.; genetic parallelism of, 11, 181-224; mind's influence on, 10, 499 ff.; effect in faith cures, 10, 431-502; Dubois on, 18, 526; 22, 471
- Body-wall, thermal conduction through, 26, 491 ff.
- Bones, soul located in, 15, 149
- Borderline phenomena, 6, 473; Pelman on 21, 509
- Botany, origin of life and, 19, 184-9
- Boy, *see* Child
- Brain:
- Action and circulation, 15, 499-512
 - Alcohol's effect on, 2, 515 f.; 3, 227
 - Amphibian forebrain, 3, 377
 - Anatomy of, 2, 141 f., 304-7, 472 f., 623-7; bibliography on, 4, 292 ff.; comparative of mammalian, 4, 458 ff.
 - Ape's, 2, 309
 - Aristotle on, 2, 44
 - Arrested development of, 1, 724 f.
 - Arteries of, 3, 89
 - Atlas of, 1, 195
 - Atrophy, 1, 737
 - Bird's, 2, 471
 - Blind, sense organs and, 4, 248-94
 - Blood-supply of, 1, 360; intellect and, 1, 701; restoration of, 1, 359; *see also* Anaemia
 - Blood vessels of, 1, 360; volume in, 17, 540-6
 - Bridgman, Laura, 4, 248-94; visual area of, 4, 503-13; weight of, 3, 305
 - Broca's convolution, 3, 372 f.
 - Carnivora, 2, 308 f.
- Brain (*continued*)
- Centers of, location, 27, 75 ff.
 - Cerebellum, ataxia and, 2, 191; defective, of a puppy, 7, 427; disease of, 1, 198; fibers deterioration, 3, 87; histology of, 2, 467; 3, 546 f.; lesions of, 2, 474 f.; ontogenesis of, 1, 493; tumor of, 1, 540
 - Cerebrum, frontal lobes, functions of, 7, 426; 8, 411 ff.; physiology of, 3, 550 f.
 - Changes in, due to mental causes, 1, 343; general paralysis, 1, 203
 - Chiasma, optic, crossing of fibers in, 3, 375 f.
 - Circulation of, 2, 473; 8, 419; 10, 151; *see also* Brain: Blood vessels
 - Convolutions, origin of, 1, 694 f.; 2, 147; in insane, 1, 342
 - Coöperation of hemispheres, 2, 506
 - Corpora striata, 1, 330
 - Corpus callosum, effect of section of, 3, 376; function of, 22, 73 f.; sarcoma of the genu of, 4, 298 f.
 - Cortex, 5, 82
 - auditory area, 2, 627 ff.
 - Laura Bridgman's, 4, 248-69
 - convolutions of, 1, 342 f., 694 f.; functions of, 1, 329
 - division of, 6, 635 f.
 - effect of removal, 6, 291 f.
 - evolution of, 2, 141
 - fear and the, 25, 163
 - fissures, 1, 329, 700
 - functions of, 1, 215 f.; 3, 553; localized, 1, 170-3, 187, 493 f., 692 ff.
 - homologs in animals, 3, 552
 - human, deduced from Laura Bridgman's brain, 4, 503-13
 - lesions of, 2, 631; degeneration from, 1, 328; following degenerations of, 3, 376
 - localization in, 2, 145 f., 187, 192; of sensory areas in, 3, 87 f.; motor areas in, 1, 358, 702
 - motor area of, 1, 358, 702; 4, 297
 - phylogenetic divisions of, 20, 84
 - thickness of, 2, 190 f.
 - training, whole-part theory, 27, 84
 - visual area, 2, 512, 623-9
 - Cortical cells, 5, 34
 - Cortical centers, 5, 38; brain surgery and, 6, 443 f.; for arm-movements, 6, 144; location of, 27, 75 ff.; motor, 6, 636 f.; pathological condition of, 27, 76 ff.; relationship theory, 27, 81 ff.

Brain (*continued*)

- Cranial nerves, 1, 492; 4, 289; and spinal nerves, 2, 299-304, 307 f.
 Criminal, 3, 236 ff.
 Criterion of consciousness, 25, 486 ff.
 Crustacean, 1, 495
 Deaf-mute's, 1, 493
 Defects, early-acquired, 3, 552
 Degeneration of, 22, 68 f.
 Descartes on, 2, 66
 Dual action, case of, 8, 127
 Edentata, 3, 376 f.
 Embryology of, 2, 465, 630
 Emotions effect on temperature, 1, 697 f.
 Evolution of, 2, 141
 Excitation in hallucination, 17, 128, 136
 Fish, physiology of, 3, 185 ff.; teleost, 1, 695 f.
 Fissures, diagrams of, 3, 373; functions of, 1, 700
 Fore-brain, anatomy of, 3, 371 f.; development of human, 3, 193
 Fornix, comparative anatomy of mammalian, 4, 299 f.
 Frog, 1, 489 f.; physiology of, 3, 182 ff.
 Frontal lobes, 5, 81; function 1, 493; 8, 41 ff.; 9, 244
 Fuegian, 1, 329
 Functional unity of, 6, 635
 Functions, localization of, 1, 170-3; 187, 493 f., 692 ff., 702
 Growth of, 7, 123
 Gyrus fornicatus, destruction of, in monkey, 3, 189 ff.
 Gyrus marginalis, destruction in monkey, 3, 189 ff.
 Heat centers in, 1, 322; 2, 636
 Hemispheres, coöperation of, 2, 506; effect of removal, 1, 204
 Idiot, 1, 700 f., 724 f.; 8, 123; microscopical anatomy of, 3, 96 f.
 Insane, autopsy on, 2, 511 f.; cortical convolutions of, 1, 342 f.
 Insect and crustacean compared, 1, 495
 Internal capsule, 2, 473 f.
 Lizard, 3, 184 f.
 Localization of function, 2, 145 f.; 4, 113-41, 295 ff.; 22, 65; 23, 484
 Malebranche on, 2, 67 f.
 Mammalian, convolutions of, 4, 458 ff.
 Mendelejew's, D. J., 21, 347
 Microcephalic, 3, 90 f.
 Mid-brain, sensory tract in, 1, 492
 Mind and, 13, 169; 30, 254, 257 f.; Darwin on, 9, 543-8

Brain (*continued*)

- Models of, 4, 130-41
 Monster's, 2, 630
 Nerves, cranial, 2, 299-304, 307 f.; Laura Bridgman's, 4, 289 f.; human embryo, 1, 492
 Nervous and cerebral disease, 19, 434
 Occipital lobe, 5, 37; electric stimulation of, 2, 146; Laura Bridgman, 3, 319-22, 331 f.
 Parietal lobe, lesion of, 2, 475
 Pineal gland, Descartes on, 2, 66; as vestigial eye, 2, 310-3; in walrus and seal, 2, 313 f.; region's development, 6, 449
 Preparations of, microscopical, 6, 639
 Preservation methods for, 6, 445 f.
 Primitive, 29, 279
 Problems of, old and new (Wendt), 21, 171
 Salt's effect on, 1, 694
 Seal, 2, 308 f.
 Secondary function of, 19, 434
 Specific gravity of, 3, 305 f.; *see also Brain: Weight*
 Striae acusticae, 1, 699 f.; connections of, 3, 549 ff.
 Study of, 7, 276; 24, 590
 Surgery of, 6, 443 f.
 Temperature of, 1, 201; 5, 540 f.; affected by emotions, 1, 697 f.
 Tissue, under hardening reagents, 6, 445
 Weight, 1, 203; 21, 171; in feeble-minded, 3, 90; relative, of gray and white substances, 1, 203; *see also Brain: Specific gravity*
See also Central: Nervous system
 Brainless, *see* 'Spinal'
 Brain-spot *vs.* mind-twist hypothesis, 23, 230, 233 f.
 Breath, seat of soul, 15, 149 f.
 Breathing and stuttering, 25, 206-17; *see also Respiration*
 Bridgman, Laura, bibliography on, 3, 338-41; biographical notes on, 3, 294-9; brain of (bibliography), 3, 293-342; 4, 248-94, 503-13; deaf-mute, 4, 248-94; education of, 3, 273 ff.; W. Jerusalem on, 3, 430; mental life of, 23, 67; olfactory tract, 4, 269-80; sense organs of, 4, 248-94; size of nerves and tracts, 4, 229; smell in, 23, 236
 Brightness, absolute, effect on color contrast, 28, 597; component of pressure, *see Contact*; discrimination of, 2, 330 f.; 20, 122-8, 486, 488,

- Brightness** (*continued*)
 495; indirect vision and, 2, 154 f., 477 f.; mean gradation, method for, 1, 192; recognition of, 2, 169 ff., 610; spectral colors and, 2, 328 f.; tonal, 30, 122-7, 153-8, 164; Weber's law for, 1, 112-27, 310 f.
- Brother-sister complex**, 21, 108
- British Medical Association**, *see* **Meetings**
- Bubonic plague**, *see* **Black Death; Plague**
- Buddhism**, *see* **Religion**
- Buddhist**, psychology of, 26, 471
- Business**, psychology in, 22, 473
- Butterfly**, as representing the soul, 15, 134 f.
- C**
- Caffein alkaloid**, factors determining influence of, 23, 94 ff.; influence on sleep, 23, 89 ff.; *see also* **Drugs**
- Calamities**, emotional effect of, 2, 342 f.; 672 f.
- Calculators**, *see* **Prodigies: Mathematical**
- Campimeter**, *see* **Apparatus**
- Campimetry**, color-blindness and, 22, 386; experiment in, 5, 397; *see also* **Vision: Indirect**
- Cancellation test**, *see* **Tests**
- Carbon**, basis of organic compounds, 20, 65 ff.; plasticity of, 20, 72, 85, 88
- Carbon-dioxide**, excretion of, measured, 10, 13-6
- Card-sorting test**, *see* **Tests**
- Caricature**, 9, 24 ff.
- Carnivora**, *see* **Animals**
- Caste feeling**, of children, 9, 435 f.
- Castration**, bibliography on (annotated), 10, 296-301
 Effects of, mental, 10, 299 f.; on animals, 10, 298
 In neuroses, 3, 250
 Of idiots and criminals, 10, 296-301
- Casuistry**, as justification for lies, 3, 60 f.
- Cat**, *see* **Animals; Fear**
- Catalepsy**, *see* **Abnormal**
- Catatonic disorders**, interpreted functionally, 21, 397
- Categories**, Kant's, 23, 375 ff., 380 f.
- Catharsis**, function of suspense in, 22, 600; funeral produces, 8, 114-7
- Cattell, J. McK.**, Psychological researches of, reviewed by his pupils, 26, 312
- Causality**, Münsterberg on, 15, 296 f., 301; principle of association, 2, 81
- Causes**, efficient and final, 27, 245, 248 f.
- Celibacy**, monastic, 24, 371
- Cell**, consciousness, 30, 255 f.; globulin, Mott and Haliburton on, 15, 585; inheritance, 8, 418; nerve, 14, 610; somatochrome, 14, 610
- Cell-corpuscles of Nissl**, 14, 610
- Cell-state** (Zellen Staat), human body, 1, 367; 14, 2
- Central inhibition**, 5, 277
 Nervous system, anatomy of, 4, 454 ff.; Edinger on, 3, 557; electromotive reaction, 4, 452; normal and abnormal, 4, 456 ff.; *see also* **Brain**
 Sense. Aristotle on, 2, 44, 46
 Tendency, measure of, 22, 4 f.
- Cephalometry**, *see* **Skull: Measurements; Craniology**
- Cerebellum**, *see* **Brain**
- Cerebral hemispheres**, *see* **Brain: Cerebrum**
- Ceremonial purification**, by water, 10, 209 f.
- Ceremony**, initiation, transforming the self, 27, 199 ff.; Navaho, 8, 133; rain-invoking, 10, 188 f.
- Cervical ganglion**, structure and function, 1, 329
- Chance**, law of, 19, 284
- Change**, condition of attention, 24, 474, 494
- Character**, 8, 421; 11, 599; 14, 302
 Analysis and classification of, 9, 407; 14, 261
 Elements of, 9, 407
 Factors of, 13, 579
 Formation and development of, 9, 408; 28, 306
 In literature, *see* **Temperament**
 Judgment of, 19, 402
 Temperament and, 27, 153
 Types of, 14, 357; unstable, 7, 575
- Characterology**, 14, 356
- Charades**, history of, 8, 485
- Charity**, discussions of, 3, 397 f.; economics and, 6, 284; endowed, 3, 402; rural and its reform, 3, 398
- Charms and amulets**, 20, 231 ff.
- Charts** showing, contrast simultaneous, 9, 42 ff.; optical phenomena, 9, 42 ff.; twenty-five different psychological, 27, 545-9; *see also* **Apparatus**
- Cheerfulness**, study of, 30, 302 ff.
- Chemical sign of life**, 28, 463; theory of sensory response, 25, 500-27
- Chemistry** in relation to the origin and development of life, 19, 158, 163, 170, 174 f., 194 f.
- Cherokee**, *see* **Anthropology: American Indian**

Chess, apprehension range in, 18, 276, 279, 289, 295, 298-302, 305; blindfold play, 18, 281-7; emotional effects, 18, 372 f., 302 f.; errors, common, in, 18, 296; feeble-minded player, 18, 306 ff.; forms and varieties of, 18, 270; imagery, visual, in, 18, 275 ff., 284-7, 301; instinctive factors, 18, 271 ff.; learning aids, 18, 303 ff.; learning process, 18, 292-303; mate, advance announcement, 18, 281; memory of games, 18, 276 f., 279 f.; mental qualities essential for, 18, 278; move-planning, 18, 274 f., 295; popularity, 18, 271; 'position-sense' in, 18, 277 f., 296, 299; reasoning type, 18, 288-92; simultaneous playing of many games, 18, 279, 282 f.; skill at *vs.* general mental ability, 18, 287; stages in the game, 18, 288-91; temperamental differences of players, 18, 274

Chick, *see* **Animals**

Child:

- Abnormal physically, 22, 125
 - defective, 26, 467 f.
 - bases of interpretation of psychic ills in, 21, 509
 - castration of idiots, 10, 296-301
 - delirium tremens in, 2, 516
 - feeble-minded, 25, 453 f.; and defective, 27, 441; and psychopathic, 20, 196
 - insanity in, 5, 115
 - see also* **Abnormal**; **Child**: **Backward**
- Activities, 9, 425-48; constructive, 21, 114-24, 129 f.; primitive, 21, 114-49; spontaneous, 21, 114-49
- Adult societies for, 9, 442-7
- Altered personality experiences, 9, 382 f.
- Ambitions of, 9, 383
- Artistic expression in, 6, 552 f.
- Association in, 10, 306; frequency table of, 28, 461
- Attention in, *see* **Attention**
- Audition in, development of, 20, 143 ff.
- Backward, 14, 629; 21, 280 f.; 25, 453 f.; motor-ability in, 14, 619; *see also* **Child**: **Abnormal**
- Blind, idea of night in, 14, 34
- Boys, city *vs.* country, 21, 348
- Caste feeling in, 9, 435 f.
- Clothes and adornment of, 9, 364 ff.
- Color names of, 18, 519-23; 21, 453; perception, 8, 560-76; 9, 61 f.; preference, 12, 142; vision, para-central, 6, 494 ff.

Child (*continued*)

- Conduct during puberty, 30, 238
- Consciousness, somatic, 9, 362 ff.
- Constitutional development of, 14, 361
- Culture for, 13, 578
- Criminality of, 23, 592
- Day dreams of, 15, 465-88
- Death, attitude toward, 26, 551-8; rate of, 9, 287; wish of, 21, 94 f., 97, 253
- Deception natural in, 11, 445 ff.; *see also* **Child**: **Lies of**
- Development of, 20, 142; 23, 484
- Diseases of, 9, 288 ff.
- Dramatic passion of, 9, 381
- Education of, sex, 21, 507
- Examination of, 2, 182 f.
- Exceptional, 29, 456
- Fancies of dawn, 14, 22
- Fears of, 25, 322 ff.; questionnaire study of, 7, 577; *see also* **Fears**
- Games of, favorite, 6, 553
- German and American, differences in perception of rhythm, 12, 495-531, 534 f., 544
- Girls, Chilkat Indian, 29, 77
- Grasping, reaching and handling, 26, 525-39
- Growth of, 1, 348 f.; bibliography (annotated) on, 9, 315-26; physical, *see* **Anthropometrical measurements**
- Hallucinations of, 2, 189
- Handicaps of, 29, 127
- Health colonies for, 6, 281
- Hearing in, 6, 280
- Idea associations of, 10, 306
- Idea of senescence in, 8, 88-91; soul, 8, 103
- Imitation of adults, 9, 383 f.
- Individuality of, 21, 279-82
- Infant, 6, 280
 - among primitive peoples, 12, 19-22
 - grasping, reaching, handling and other movements, 26, 525-39; 30, 208 f.
 - hysteria in, 10, 606
 - language of, grammatical development, 20, 467
 - locomotion of, among primitives, 12, 22 f.
 - mental state in, 13, 428 f.
 - new-born, sense-life of, 25, 595
 - prolonged infancy, causes and significance of, 29, 196; survival and, 29, 202; J. Fiske's theory of, 29, 197
 - psychology of, 16, 148 f.
 - suggestion in, 4, 468-99

Child (*continued*)

- Instincts of, constructive and destructive, 21, 144-9
- Institutional activities of American, 9, 425-48
- Intelligence of, 14, 305; of school-child, 30, 430; tests for, 15, 201-92
- Interest, in birds, 20, 335; mammals, 20, 335; school subjects, 26, 618
- Jealousy in, 17, 435-60, 475-8; 21, 94-7
- Judgment of size of familiar objects, 9, 139-66
- Language of, 6, 107 ff.; 13, 577; concept and, 6, 117 ff.; grammatical development of, 20, 467; secret, 6, 453
- Learning by, 29, 126
- Lies of, 3, 59-70; 14, 257; 20, 465; *see also* Child: Deception in 'Life's Day,' 20, 466
- Logic of, 8, 475 ff.; 13, 322
- Love emotion, 13, 325-54
- Memory in, growth, 4, 363-80; puberty's effect on, 10, 232 f.; span in, 1, 193; tests of, 4, 362-80
- Mental and motor abilities correlated, 12, 193-205; development in race and, 7, 142; diseases of, 21, 509; morbid conditions, 21, 509; state in, 13, 434-9
- Metabolism in, 1, 356
- Mind of, 13, 578; unconscious, 30, 324
- Moon to, 13, 294-318
- Morbid mental conditions in, 21, 509
- Motor development, 2, 506 f.; power vs. intelligence, 14, 635 ff.
- Movements of, early, 12, 11 f.
- Muscular effort in, 14, 624
- Nervous, hygiene of, 27, 441
- New-born, sense-life of (Canestrino), 25, 595
- Nick- or pet-names for, 9, 368-72
- Ocular tests on, 4, 595 f.
- Pain and strength measurements of 1507 children, 10, 392-8
- Phobia of a 5-year boy analyzed, 20, 466
- Physical growth of, 1, 348 f.; resistance to disease and, 9, 290-5; susceptibility to disease and, 9, 286-90, 310
- Physical nature of, 11, 124
- Play of, *see* Play
- Prenatal movements of, 12, 4 f.
- Primitive activities of, 21, 114-49
- Psychic evolution of, 20, 464; life of, 21, 251

Child (*continued*)

- Psychoanalysis of, 21, 207-11, 251-69; study of and, 26, 130-41
- Psychology of, 5, 264; 22, 125, 321; 25, 596; 30, 117; experimental pedagogy and, 20, 584 ff.; pedagogy and, 23, 340
- Psychopathology of, 21, 344
- Reasoning in, 2, 133
- Reflections of, 9, 379-86
- Religion of, 9, 72-7; 21, 341; clarification period, 9, 74 ff.; features of, 9, 73 f.
- Religious instruction inappropriate for, 9, 415
- Retentiveness in adult and, 20, 318
- Rhythms of, 24, 195
- Savage and, 21, 114
- School-age, 21, 279; intelligence of, 30, 430; perceptions of, 26, 470; strength-measurements, 10, 392-8; tests on, 6, 282 f.
- School hygiene for, 1, 348 f.
- Secret language of, 6, 453
- Sense of self, 9, 351-95
- Senses of, development, 19, 570; development in first three years, 20, 142
- Sensitiveness, musical, 6, 303 f.
- Sensory, discrimination in, 26, 614 f.; judgment, 20, 142-5
- Sex, curiosity of, 21, 252-69, 323; education, 21, 507; life of, 20, 152; 24, 285, 362; love in, 13, 325-54; predispositions, 29, 379
- Size, heredity and, 9, 268
- Social interests of, 9, 429 f.
- Somatic consciousness in, 9, 362 ff.
- Soul of, 23, 482
- Strength measurements, 10, 392-8
- Study of, 1, 350, 354 f.; 10, 159 f.; 14, 96; French society for, 13, 583; G. S. Hall on, 13, 577; importance, 9, 394; Japanese society for, 20, 156; methods, 1, 350, 354 f.; psychology of, 20, 584; syllabus for, 28, 311; training for, 29, 353
- Stupid, 14, 623
- Suggestibility in, 19, 504 f.
- Suicide of, 13, 322; 26, 616
- Superior, 21, 281 f.
- Temperaments, classes, 13, 322
- Testimony of, 1, 728
- Tests on, ocular, 4, 594 f.
- Thought, abstract, in, 19, 253-60; philosophic, 9, 379-86
- Thoughts of, 6, 280
- Training of, 22, 446
- Tree and, 9, 495-504

Child (*continued*)

- Unconscious mind of, 30, 324
 Vision, paracentral color of, 6, 494 ff.
 Walking should not be taught, 12, 46 f.
 Young, movements in, 3, 273
See also Abnormal; Adolescence; Anthropology; Anthropometrical Measurements
- Childhood:**
 Handicaps of, 29, 127
 Jesus', 13, 170
 Memories of early, 6, 554 f.; 10, 230 ff.; of books read in, 10, 242 f.
 Psychopathology of, 21, 344
- Children:**
 Clubs of, classification, 9, 427-31; questionnaire returns on, 9, 431-42
 Compositions by, study of, 9, 426-31
 Crusades by, 18, 24, 33 ff.
 Deathrate of, 9, 287
 Learning by, 29, 126
 Societies of, 26, 158; bibliography on, 9, 447
- Chilkat**, *see* Anthropology: American Indian
- China**, recent developments in, 25, 314
- Chinese**, philosophy of, 14, 115
- Chinook**, *see* Anthropology: American Indian
- Chirography**, questioned documents, 22, 322; *see also* Handwriting
- Choice**, 9, 587-90; voluntary, Michotte and Prüm on, 26, 508-11
- Choice-reaction**, 5, 16 f., 19; *see also* Reaction-time
- Chorea**, *see* Abnormal
- Christ**, *see* Jesus
- Christian Science**, *see* Psychotherapy; *also* Religion
- Chriolatry**, Freudians on, 25, 313
- Chromatin**, functions in cell, 1, 369-72
- Chromaesthesia**, *see* Synaesthesia
- Chronograph**, *see* Apparatus
- Chronometry**, 4, 596 f.
- Chronophotography**, 5, 109
- Chronoscope**, *see* Apparatus
- Circle**, centesimal division of, 23, 456
- Circuit-breaker**, *see* Apparatus
- Circular insanity**, *see* Abnormal: Manic-depressive
- Circulation**, muscular periodicity and, 3, 31; sleep and, 26, 617 f.; streaming phenomena and, 19, 494-500; *see also* Brain; Pulse; Retina; Traube-Hering waves
- Circumcision**, 6, 63 ff., 73
- Citizenship**, training for, 29, 456
- Civilization**, a disease, 28, 612; passage of, 9, 243; *see also* Anthropology

- Clairvoyance**, survival of man, 21, 505; *see also* Hypnosis; Spiritism
- Clang**, associations, 27, 122, 125, 130, 133, 136, 149; isolated, 14, 570; localization of, 22, 254; tone and, discriminated, 13, 218-68
- Clark University**, psychology at, 3, 284 f.
- Classification**, colors, 23, 237 ff.; fixed stars, 20, 4; method of, 20, 1
- Classifying phase**, analysis of, 28, 57
- Claustrophobia**, *see* Fears: Closeness
- Clearness**, 5, 22, 36
 Affection and, 20, 193
 Attention and, 20, 272, 473-529; 24, 465-507; 27, 443-60
 Attribute of sensation, 24, 465 f.
 Degrees of, 20, 120-30, 272, 343, 501-29; 24, 468; 27, 447-60; 28, 558 f.; 29, 204 ff.; mean variation and, 27, 455; work-quality and, 27, 447, 456, 459 f.
 Dual-level, exaggerated by tachistoscope, 20, 130
 Index of, 20, 126
 Influence on Weber's tactual illusion, 29, 103 ff.
 Intensity and, 20, 477; 22, 352 f.; 24, 486; 27, 453
 Introspection of, 24, 467
 Levels of, 20, 527 f.; 24, 506; 27, 460; 29, 207
 Measured by average reaction-time, 20, 126 ff., 508 f., 514; 24, 483 ff., 501 f.; 27, 453; 29, 204 ff.
 Measure of objective, 29, 204
 Of knowledge and of consciousness, 4, 244 f.
 Reaction and, 20, 6
 Visual quality as determinant of, 26, 449-53
See also Attention; Cognitive clearness
- Clearness-relievo**, 20, 126 f.
- Clepine**, *see* Animals
- 'Clever Hans'**, 19, 422; 22, 472; 25, 1-31, 131-6; *see also* Animals: Horse
- Clicks**, discrimination of, 5, 294-310; flashes and, attention-demanding power, 10, 284 ff.; time-order judgments of, 10, 282 ff.
- Climate:**
 Effect of, 1, 199; of India's, 1, 739; on child growth, 9, 285; on mind, 23, 469 ff.
 Influence of, 9, 243; on architecture, 3, 271 f.
 Psychophysics of, 20, 1, 3; bibliography on, 20, 8-14
 Scale of, 20, 3, 6

Climate (*continued*)*See also* **Psychosics**

Climbing instinct, 9, 465

Clinostat, *see* **Apparatus**Closeness, fears of (**Claustrophobia**), 25, 333-9**Clothes:**

Adornment, 27, 217 ff.

Compensation for deficiency to primitive man, 27, 221 ff.

Function of, 7, 184 ff.; 9, 366

Humor and, 18, 428 f.

Jealousy and, 27, 219

Modesty and, 27, 217 ff.

Origin and purpose, 7, 184 ff.

Protection, 27, 217 ff.

Self-consciousness of child and, 9, 364-7

Sex and, 7, 184 ff.; 27, 219, 224 f.

Significance of, 27, 217-26

Clouds, as representing the soul, 15, 140 f.**Clubs**, children's, classification of, 9, 427-31**Co-consciousness**, 22, 166, 171**Cochlea**, localized sensibility in, 1, 740 f.; *see also* **Ear****Cockatoo**, *see* **Animals****Cockroach**, *see* **Animals****Co-education**, facts of physical growth for and against, 9, 307 f.**Coefficient of divergence**, practice and, 27, 261; of precision, practice and, 27, 261, 263 ff.; of variation criticized, 27, 234 ff.**Coenaesthesia**, 1, 182 f.; 12, 102 f.; 20, 387, 393, 399**Cognitive clearness**, attention and, 27, 487; processes in voluntary movement, *see* **Voluntary movement**; reaction, 30, 64**Cold** from the stomach, 26, 489-94; *see also* **Cutaneous: Sensation****College**, the American, 27, 292; yells, rhythm forms of, 12, 382 ff.**Colonization**, pathology and, 1, 199**Color**, 5, 20-37

'Advancing' and 'retiring,' 29, 182

Affective judgments of, 20, 174-8; reaction to individual colors, 20, 185 ff.; sensitiveness to, 26, 289 ff.; values of, 22, 114 f.

After-image in, 20, 131-5

Appreciation of, 5, 112

Artificial illumination and, 19, 536-40

Association for letters, 14, 640; general, 14, 632

Atlas of, 23, 241 f.

Charts of, 20, 15

Color (*continued*)

Child's observations of, 20, 320, 326 ff., 351

Classification of, 23, 237 ff.

Complementary, 4, 472; 5, 402

Contrast, absolute brightness and, 28, 597

Dimensions (Maxwell's), 5, 396

Disc-and-rod illusion, 4, 206 ff.

Discrimination, 2, 329 f.; in animals, 1, 713-16; in color-blind, 22, 381 ff., 387 f.; reaction-time for, 1, 532

Equations in color-blindness, 22, 394 ff.

Fatigue and, 26, 291 f.

Fechner's, investigated, 13, 488-525

Fixation and, 23, 552 ff., 565 ff.

Flight of, 19, 61, 120

Hearing, *see* **Synaesthesia**Hues analyzed, 27, 273 ff.; fusion in, 27, 274, 276; simplicity *vs.* complexity of, 27, 273-82

Identification of, by college students, 18, 520-3

'Illusion' due to adaptation, 12, 178-84

Induction, 5, 405; simultaneous, 27, 331 ff.; simultaneous-positive type, 27, 331 ff.; successive, *see* **After-image**; **Contrast**

Intensity, 7, 386-404

Language of, 29, 352

Limen in discrete and continuous areas, 13, 485

Luminosity, 6, 296 f.

Magnitude and, 7, 26-41

Matching of, in chromaesthesia, 14, 639

Mimicry and warning, 21, 500

Mixer, *see* **Apparatus**Mixing, artificial *vs.* natural daylight and, 27, 427 ff.; 30, 313 ff.; binocular, 5, 414; intensity changes and, 1, 359

Mixture, 5, 401, 404; demonstration of, 4, 472

Models, double cone, 20, 16; octahedron, 20, 16; pyramid, 7, 387, 392; 20, 15-21; Lambert's pyramid, 20, 15; sphere, 20, 15; 23, 239 ff.; triangle, 6, 297 f.; triangle criticized, 4, 472; *see also* **Apparatus**

Names of, 24, 520; children's, 18, 519-23; 21, 453-82; Japanese, 8, 137

Naming of, by college students, 18, 520-3

Notation of, 20, 15 f.; 23, 236 ff., 242 f.

Paracentral vision and, 6, 489 ff.

Color (*continued*)

- Perception, in children, 8, 560-76; in raccoons, 18, 478-82
- Phylogenesis of, 27, 282
- Prang standard of, 14, 442
- Preferences, 6, 550 ff.; 24, 545; 27, 251-5; artificial light and, 27, 252, 255; child's, 12, 142; daylight and, 27, 252, 255; saturation and, 27, 255
- Saturation of, 24, 171; area *vs.*, 13, 481; changes in, 5, 399 f.; preferences and, 27, 255; quantitative relations of, 7, 386-404
- Score-card for, 23, 243 f.
- Sensation, 1, 189 f.; 2, 154-60, 328 ff., 636-43; Holmgren's experiments on, 1, 525 ff.; Young-Helmholtz theory, 1, 525 ff., 741
- Sense, development in child, 20, 143 f.; indirect vision and, 3, 574; monocular disturbance, 3, 576; unilateral disturbance, 3, 576
- Sensitivity, of the periphery, 3, 202
- Shadows, 2, 636-43; experiment, 5, 261
- Smell, *see* Synaesthesia
- Solutions for mixing, 4, 472
- Standard, Prang's, 14, 442
- System of, 23, 236 ff.
- Taste, *see* Synaesthesia
- Tests, English sparrow, 15, 337 ff.
- Theory of, 2, 155 f.; Goethe's, 5, 278; mimicry and warning theory arraigned, 21, 500; Müller's, 15, 447; *see also* Vision: Theories of
- Tone, 5, 396 f.; 7, 386-404; simplicity of, 14, 92
- Vision, 5, 230; Ladd-Franklin theory of, 6, 298; peripheral, 4, 472
- Vocabulary of the poets, 10, 156, 320
- Coloration**, concealing in animals, 21, 500; protective, Thayer tiger model illustrating, 25, 295; *see also* Animals
- Color-blindness**, 5, 27, 396 f.
 - After-image in, 22, 387; negative in, 22, 387
 - Artificial and temporary, 12, 393
 - Campimetry, 22, 386
 - Color discrimination in, 22, 381 ff., 387 ff.
 - Color equations in, 22, 394 ff.; for deuteranopes and protanopes, 30, 422
 - Contrast and negative after-image in, 22, 387
 - Demonstrations of, 25, 299
 - Diagnosis of, 3, 575

Color-blindness (*continued*)

- Distance-limen in, 22, 384 ff.
- Flicker-photometry and, 12, 140
- Monocular, 22, 373 ff.; comparison of colors, 22, 399 ff.; confusions in, 23, 378 ff.
- Partial, 22, 369 ff.; bibliography on, 22, 404-7
- Peripheral, theory of, 3, 204 f.
- Pigments, 22, 382
- Spectral lights in, 22, 388 ff.
- Types of, 22, 370 f.
- See also* Apparatus
- Color-size illusion**, 7, 386
- Color-weakness**, 22, 370 f.
- Columbia University, psychology at, 3, 277
- Coma**, 1, 186
- Combat**, sexual selection and, 7, 163 f.
- Combination**, mental process in arithmetical operations, 17, 7 f., 12-15, 18 ff., 24-30, 33-5; method, 25, 569
- Comedy**:
 - Aesthetics in, 22, 137 ff.
 - Arts and, 22, 144 f.
 - Function of, 22, 149
 - Inversion in, 22, 147
 - Laughter and, 22, 156
 - Maladjustment and, 22, 151, 155
 - Satire and, 22, 149
 - Theories of, 22, 153 ff.
 - Universality of, 22, 155
 - Words and, 22, 150
- Comic**:
 - Aesthetics and, 16, 35 ff.
 - Historical development of, 16, 138
 - Imagery and the, 16, 98
 - Judgments of, 23, 344
 - Laughing and tickling, 9, 1-41
 - Love of, 22, 138
 - Meaning of, 23, 146 f.
 - Problems of, 9, 248
 - Questionary on, 9, 1 f.
 - Scene, range of, 22, 152 f.
 - Situation, essence of, 22, 146
 - Test of, 30, 304-7
 - Tickling, laughing, and, 9, 1-41
 - See also* Humor
- Common sense**, validity of, 11, 516
- Communications**, length of, 14, 252
- Community of ideas**, 5, 248; favorite numbers, 2, 483; geometrical forms, 2, 483
- Comparative psychology**:
 - Introduction to, 19, 279
 - Laboratory course in, 10, 399-430
 - Method of, 13, 98-103
 - Phyletic background of, 19, 149-212
 - Progress and tendencies in, 19, 573

- Comparative psychology** (*continued*)
 Property, natural origins of, 18, 262 f.
See also Animals; Genetic Psychology
- Comparison**, lifted-weights, 17, 497-521; memory-image theory of, 12, 58, 64, 66, 69-79; recognition and, 15, 305 ff.
- Compensation**, biological, 25, 165 ff.; clothes as, 27, 221 ff.; error in smell, 10, 97; of odors, 10, 87 f.; 27, 435 f.
- Competition**, effect in bicycle racing, 9, 507-16; on performance, 9, 507-33
- Completion test**, Healy-Fernald, of the comic, 30, 304-7; language scales, 27, 294; *see also* Tests
- Complex**:
 Brother-sister, 21, 108
 Common, 27, 137 ff.
 Constellation and, 25, 551
 Correlation by association method, 27, 119-51
 Definition of, 21, 199; 27, 137
 Father-daughter, 21, 107
 Freudian theory of, 27, 143 ff.
 Indicators of, 25, 572-81; 27, 131 ff., 148
 Introspective analysis of, 21, 597-602
 Mental unit, 25, 284
 Method for studying, 27, 120 ff.
 Shock and, 25, 185
See also Psychoanalysis
- Complexion**, sensitivity and, 10, 396 ff.; strength and, 10, 396 ff.; weather and, 14, 81
- Complication experiment**, 5, 239-44
 Attention and, 4, 528-41
 Pendulum for, metronome as, 15, 581
- Comprehension**, tests of, 10, 357 f., 382-5; *see also* Tests
- Comte**, Auguste, psycho-analytic study of, with bibliography, 29, 159-81
- Concentration**, Yoga system of, 27, 290
- Concept**, development of, 23, 68 ff.
- Conception**, Stewart on, 2, 238
- Conduct**, disorders of, 24, 285; mind and, 30, 432 f.; principles of, 29, 234; psychology of, 23, 163; puberty and, 30, 238; weather and, 10, 604
- Conduction**:
 Nervous, 14, 612; physiology of, 14, 593; results with, 14, 599; velocity of, 14, 593
 Thermal, in the skin, 22, 332 (foot-note); through body-wall, 28, 491 ff.
- Conductivity**, nerve, experiments, 14, 600
- Cones**, 5, 36; in the fovea, 4, 483 f.
- Confessions of an agoraphobic victim**, 30, 295-9
- Confidence**, effect in gradual increment method, 1, 302-5
- Configuration**, auditory, 12, 366; *see also* Form; Form-quality
- Conflict**, sex-differences in, 24, 424
- Confusion**, letters, 23, 29 ff.; mastery of, 6, 538 f.; mental primitive, 7, 290
- Confusional insanity**, *see* Abnormal: Insanity
- Conjugal love**, Swedenborg's, defined, 3, 257 f.
- Conjurer**, training of, 11, 472-8
- Conjuring**, acoustical tricks in, 11, 454, 461 f.; attention control in, 11, 478-84; chemical tricks in, 11, 454, 463 f.; confederate's function in, 11, 456, 466 ff.; electrical tricks in, 11, 454, 462; entertainment by, 11, 452; 'forcing' in, 11, 497-504; gesture in, 11, 478 ff.; interest in audience, 11, 505; mathematical tricks in, 11, 455; mechanical tricks, 11, 454 f., 464 ff.; mediumistic tricks, 11, 456, 467; mental habits of audience, 11, 456, 468-72; optical illusions in, 11, 454, 459 f.; origin of, 11, 440; 'patter' in, 11, 481-4; pedagogical observations on, 11, 508 ff.; perception in, 11, 484-8; psychology of, 11, 439-510; sleight-of-hand in, 11, 456-68; sociological observations, 11, 505-8; suggestion in, 11, 488-502; superior ability for, 11, 546, 466 ff.; tricks classified, 11, 543-72; *see also* Deception; Magic
- Congresses, see** Meetings
- Conscience**, nature and origin, 7, 298; voice of, 14, 405
- Conscious**, cross-section, 27, 154; present as perceptual unitary whole, 27, 5, 45, *see also* Time Judgment; states, 22, 169 f.; volition, 5, 251
- Consciousness**, 14, 408; 20, 62-5, 74, 85, 93, 343, 352; 21, 175; 22, 136, 319
 Affective, 20, 389; color, 20, 173-8; cutaneous sensation, 20, 179-82; judgment, 20, 158-78; odor, 20, 179-82, 437; processes, 20, 157-93, 388; tone, 20, 159-73
 Anaesthetics and, 22, 333 ff.
 Analysis of, experimental, 21, 489 f.
 Animals, 20, 221; 22, 172
 Animism and, 19, 186 f., 200
 Association and, 22, 169; reaction and, 21, 597-602
 Atomistic conception of, 18, 239, 248
 Attention related to, 20, 120 f., 473-85

Consciousness (*continued*)

- Auditory memory, 20, 194-218
- Biological aspects of, 13, 455
- Cell, 30, 255 f.
- Clearness of, and learning, 22, 174
- Compensation, 25, 169
- Concept, 22, 159 ff.
- Conscious consciousness, 30, 255-9
- Conscious states and, 22, 169 f.
- Content in child, 20, 143 ff.
- Controlled, 23, 493 f.
- Criteria of, 25, 471-99
- Criticism of, 22, 168 ff.
- Definition of, 3, 5; 30, 255
- Distribution of, 25, 471-99
- Double, 6, 623 f.
- Dream consciousness, 12, 131-4
- Dual level, exaggerated by tachistoscope, 20, 130; *see also* Clearness
- Elements of, 20, 85, 269-77
- Epistemology and, 22, 169
- Evolution and, 11, 170; 19, 200; 22, 135
- Expectant, 20, 530-69
- Experimental analysis of, 21, 489-99; study of, 16, 218 f.
- Extent of, 3, 431 f.
- Familiarity, 20, 277
- Feeling in, 19, 225
- Focal and marginal, 14, 349
- Focus of, 20, 394
- Free and controlled, 23, 493 f.
- Fringe of, 17, 11 f., 31 f.
- Function of, 21, 179
- General, origin and function of, 10, 492-5
- Habitual and non-habitual, 14, 135, 137; distinctive processes, 14, 134
- Inner sense, 19, 368
- Instincts and, 22, 173
- Learning and, 22, 158 ff.
- Levels of, 20, 130, 474, 484, 534-9; *see also* Attention: Levels of
- Marginal and focal, 14, 349
- Metaphysics and, 22, 169
- Most elementary phenomenon of life, 19, 175
- Nature of, monistic and dualistic views on, 21, 510
- Negative instruction and, 23, 183 ff.
- Non-habitual and habitual, 14, 135, 137; distinctive processes, 14, 134
- Object of introspective description, 23, 494 ff.
- Origin of, 10, 492-5; 11, 169
- Perception of, 14, 347
- Pflüger on, 15, 527
- Physical basis of, 1, 544, 545
- Primitive, 20, 220 f.
- Processes, distinctive, 14, 134

Consciousness (*continued*)

- Protozoan, evidence for, 11, 178 ff.
- Psychic process and, 2, 170
- Range of, 1, 710; 20, 121 ff., 127 f.; *see also* Attention: Range of
- Reflex, 30, 255 f.
- Reflex action independent of, 15, 528 f.
- Relation, 19, 401
- Rise in the individual, 14, 338
- Skill acquirement and, 22, 188 f.
- Social, animals and, 14, 339; movement and, 14, 337; organic sensation for, 14, 337
- Somatic in children, 9, 362 ff.
- Span of, 1, 710; *see also* Consciousness: Range of
- Speed of, 14, 349
- Standing, 12, 41 ff.
- Subliminal, 5, 425
- Tickle consciousness, 19, 341
- Universal, 24, 276
- Walking, 12, 41 ff.
- See also* Subconsciousness
- Conservative, human progress and the, 30, 355 f.
- Consonance, tests, 16, 307 f.
- Consonant-associations, 5, 270
- Consonants, 5, 21, 23 f., 26
- Constant error, 5, 5, 296, 289 footnote, 387
- Constant stimuli, 24, 275; 25, 140 f.; 28, 280
- Checking table, 29, 120
- Fractionation of data, 28, 588
- Impression limens, single and dual, determined by, 26, 152-7
- Simplification of, 25, 121-30
- Urban's table, 28, 280
- See also* Psychophysics
- Constellation, complex and, 25, 551
- Constipation neuroses, 1, 344
- Constitution, nervous, explained, 14, 354; neurotic, 14, 354
- Constitutional inferiors, 6, 471; associations, 28, 435
- Contact, brightness-component of pressure and pain, 19, 297 f., 300-8; sense of, and reality, 4, 430-50; tickle and, 9, 11, 235
- Contemplation, 2, 71
- Content, consolidated, 13, 279-93; funded, 13, 279 f.; funding, 13, 279-93
- Context, inference from, 20, 197, 199
- Contiguity, association by, 2, 41, 49, 74, 81, 577 f., 595-601, 610
- Contraction, paradoxical, 14, 609
- Contradiction, law of, relation to realism, 11, 519 f.

- Contrast**, 5, 378, 405, 409
 Affective, 25, 290-3
 Apparatus for, 15, 58
 Association by, 2, 41, 49, 181
 Binocular, 5, 415
 Brightness, 1, 527; discrimination of, and, 1, 310
 Color, 2, 636-43; 3, 200; 5, 408; absolute brightness and, 28, 597; Helmholtz' theory of, 3, 197; simultaneous, Hering apparatus for studying, 1, 707
 Color-blindness and, 22, 387
 Conditions that influence, 5, 409
 Emotional, 4, 542-57
 Fechner's colors and, 13, 512 ff.
 Marginal, 5, 409
 Meyer's experiment, 5, 408 f.
 Mirror, 5, 406 ff.
 Mixed, 5, 405 f.
 Play element, 9, 237
 Simultaneous, 5, 405, 409 ff.; charts showing, 9, 43; experiments in, 3, 288; Helmholtz' theory of, 1, 192
 Successive, 5, 405
 Visual, 4, 542-57; 27, 331 ff.; demonstration method, 3, 574; eye-movement and, 27, 332 ff.; *see also* Color: Induction
- Contributions** to psychology, classified by countries of origin and subjects, 14, 592; 28, 141-50
- Control**, shock and, 25, 180 f.; voluntary, tests of, 14, 618; movement involuntary, by imagery, 8, 401 ff.; by perception, 8, 396-401
- Conversation**, aesthetic aspect of, 6, 47 f.
- Conversion**:
 Age of, 8, 271-5; 9, 79
 Analysis of, 7, 322-54; newness, 7, 353 f.; faith, 7, 337-49; joy, 7, 351 ff.; justification, 7, 349 ff.; self-surrender, 7, 327-37; sense of sin, 7, 322-7; will's rôle, 7, 354, 364
 Case records of, 7, 371-85
 Causes of, 8, 276-82
 Experience of, 8, 287-96; preceding, 8, 283-6; similar to, 8, 299-302
 Feelings in, 9, 121 f.
 Hysterical, 21, 188 f.
 Intellectual, 18, 353-70
 Nature of, 13, 571 f.
 Physiological aspect, 8, 303
 Post-conversion phenomena, 8, 296 ff.
 Psychological aspect, 8, 304-7
 Questionary on, 7, 371
 Sociological aspect, 8, 303
See also Religion
- Conviction**, beliefs and attitudes of, 29, 350
- Coördination**, reflex, Loeb on, 15, 560
- Copenhagen University**, psychology at, 4, 495 f.
- Coprolalia**, case of 'tic' with, 1, 720
- Corpuscle**, monthly variation in count, 14, 8; Nissl's, 14, 611
- Correlation**, 22, 129 ff.
 Associative problems, 15, 92 ff.
 Attenuation, 15, 89-92
 Constriction, 15, 94 f.
 Contingency, 15, 78 f.
 Deviations, 14, 464; 15, 88 f.
 Dilatation, 15, 94 f.
 Distortion, 15, 95 f.
 Elementary, 15, 73-88
 Formulae, 15, 252 f., 256, 260-75, 282
 Index quickly determined, 18, 322-5
 Irrelevant factors, elimination of, 15, 255 f.
 Measurement of, 18, 161-9
 Method, 15, 252-6; 27, 161
 auxiliaries, 15, 82 f.
 class-averages, 15, 85 f.
 foot-rule, 27, 161
 in psychology, 15, 205 f.; 22, 129 ff.
 Pearson's, 27, 161
 proportional changes, 15, 84 f.
 rank differences, 15, 86 ff.; Spearman's, 27, 161 f.
 Spearman's, 15, 72-101
 standard, 15, 77-88
 Non-correlation, 5, 164
 Number of cases, 15, 99 ff.
 Observational errors, elimination of, 15, 253 ff.
 Partial, 5, 164
 Principles of, 15, 222-6
 Proof and disproof of, 16, 228 f.
 Psycho-physical, 25, 485 ff.
 Rank, 15, 79-82
 Standard deviation criticised, 27, 234 ff.
- Correlation psychology**, 15, 205 f.; *see also* Intelligence
- Cortex**, *see* Brain
- Corti**, arches of, functions, 2, 513 f.
- Cortical ataxia**, 5, 82
- Cosmic**, factors influence on life, 10, 18; forces rhythmic, 10, 19; relations, 26, 311
- Cosmology**, Hindu Vedânta system, 24, 293; necessities of the theories, 10, 191; psychology and, 16, 542 ff.; water in the theories of, 10, 191-5
- Counter**, time-reading, *see* Apparatus
- Counting**, psychology of, 16, 327 ff.
- Courtesy**, 6, 143

- Courting, animal, 7, 164-170; general features and laws of, 7, 202-9; lower races, 7, 178-81; *see also* Love
- Cow, soul represented by, 15, 136; *see also* Animals
- Crab, *see* Animals
- Cranial nerves, Laura Bridgman's, 4, 289 f.; cross-sections of, 4, 223-9; embryonic, 1, 492; size of, 4, 223-9; *see also* Brain
- Craniology, 22, 317 f.; physiology and, 3, 238 f.; *see also* Skull
- Craniometry, *see* Skull: Measurements
- Cranimeter, *see* Apparatus
- Cranium, insanity and, 3, 228; *see also* Skull
- Crawfish, *see* Animals
- Crazes, Mississippi scheme, 18, 42 f.; psychology of, 12, 400; South Sea Bubble, 18, 43 f.; tulip mania, 18, 44 f.
- Creative, intelligence, 28, 309; synthesis, duration final product, 27, 5
- Creator and creation, 19, 365 f.
- Creeping, after walking, cause of reversion, 12, 47-54; walking and, 12, 1-57
- Crime, 6, 471; 11, 599; Black Death and, 18, 12-16; chronicals of, 3, 124; Creoles and, 3, 230 f.; criminals and, 9, 133; 30, 325; 'depeçage' and, 3, 229; epilepsy and, 1, 736; hypnotism and, 1, 722; 2, 316; 3, 125, 223; insanity and, 3, 120; natural classes, 1, 352 f.; political, 3, 386; precocity and, 16, 159 f.; premeditation in, 11, 274; psychology of, 20, 466; punishment and, 3, 121 ff., 386 ff.; suicide and, 5, 553; suicide and, in Brest, France, 3, 389 f.; war against, 3, 121
- Criminal, 3, 115 f., 392, 395 ff.; accidental and the essential, 1, 728 f.; anomalies of, 1, 352; jurisprudence, *see* Jurisprudence; measurements of, 1, 205, *see also* Anthropometric: Measurements; mental stigmata of, 3, 116, 119 f.; physical and mental peculiarities, 3, 231 ff.; physical stigmata of, 3, 117, 119 f.; physical training of, 3, 123; physiognomy of, 1, 544; precocity, 16, 159 f.; psychology of, 3, 121, *see also* Psychology; restoration of, 3, 394 f.; smell in, 1, 739; sociology, *see* Sociology; suggestion, 3, 224; types, 1, 551; 3, 395 ff.; woman, 17, 286 f.; 28, 310; wormian bone in, 3, 235
- Criminality, 22, 322; behind prison walls, 18, 377; child's, 23, 592;
- Criminality (*continued*)
degeneration and, 3, 117 f.; French and Italian, 3, 231; inherited, 2, 347; precocity and, 16, 159 f.; socialism and, 3, 391; theories of, 3, 120
- Criminology, literature for 1885-9, 3, 114-26; literature, 3, 219-40; 5, 107; 8, 420; 19, 372; 23, 160, 344, 473, 482
- Criterion, Chauvenet's, 14, 584
- Criticism and beauty, 22, 134
- Crossed reflexes, Lucksinger on, 15, 555; *see also* Reflex
- Crow, *see* Animals
- Crowd, 5, 107; criminal, 6, 471; fickleness of, 18, 43; in peace and war, 27, 292; *see also* Religious: Epidemics
- Crusades, 18, 34 f.
- Crustacea, *see* Animals
- Crying, 17, 149-205; age-influence on, 17, 177, 155-60, 171 f., 176 f.; among animals, 17, 177, 181; analysis of act, 17, 167-81; bibliography on, 17, 202 ff.; causes and symptoms of, 17, 160-7; control of, voluntary, 17, 179 f.; cumulative development, 17, 159-63; effects of, 17, 181-7; facial expression in, 17, 189, 193 f.; grief *vs.* other states and, 17, 160; infant, 6, 112 f.; insane, 17, 161 f.; language-development and, 17, 150, 158; laughing and, 17, 189 f., 197 f.; mental states in, 17, 152 f., 163-7, 200 ff.; physiological basis, 17, 168 ff., 188-97; primitive peoples and, 17, 151-5, 172 ff., 180; sobbing and, 17, 175-8; tears and, 17, 178-81; theories of, 17, 187-202; vocalization in, 17, 171-4
- Crystal, material organization of, 19, 161, 176
- Crystal-gazing, 3, 136; *see also* Spiritism
- Crystallization, simple organism and, 19, 160 ff.
- Cube test, 27, 284 f., *see also* Tests
- Culture, Chilkat, ethical aspects, 29, 66; psychology and, 14, 256 f.
- Cures, healing yourself, 30, 118 f.; tree, 9, 492 ff.; *see also* Psychotherapy
- Curiosity, in rats, 11, 99; roving and, 10, 50 f.
- Current, healing, from the battery of life, 26, 619; thermo-electric, in nerves, 14, 603 ff.
- Curves, periodic, 14, 536; work, *see* Work
- Custom, ethics and aesthetics based upon, 21, 380 ff.

- Customs and beliefs, religious, revolt against, 9, 92 ff.
- Cutaneous:
- After-image, 27, 566-9
 - Apparatus, *see* Apparatus
 - Cognition, of form, 10, 143
 - Extents, determination of, 26, 300 ff.
 - Ghosts, 28, 349; in blind, 28, 231 f., 234
 - Images, 13, 544-7
 - Judgment, of filled and unfilled space, 6, 332 ff., 514 ff.; of form in terms of visual translation, 10, 143; subliminal, 10, 147
 - Limen, for form, 10, 144 f.
 - Localization, 8, 250-67
 - Pattern, discrimination below two-point limen, 29, 400
 - Perception, movement, 10, 143
 - Sensation, 5, 248, 279 ff.; 7, 42-57; 10, 314; 14, 452; affective judgments of, 20, 179-82; attention and, 16, 446 f.; attention to, 17, 119 f.; blindness and, 28, 231 f., 234; class experiments in, 14, 188 f.; clearness of, 27, 443 ff.; histology of, 19, 308-29; measured by attention, 27, 443-60; pressure and pain spots, 19, 292-320; tickle and itch, 21, 180; specific energy, 5, 279; 13, 580; 19, 311; tickle differentiated, 19, 320-9; von Frey's doctrine of, 19, 299-303; *see also* Pain; Tickle; Itch; Pressure
 - Senses, 4, 142-8; 5, 261
 - Sensitivity, 7, 42-57; alcohol's effect on, 1, 362 f.; measure of, relative, 7, 42 f.; organs of, 1, 202; perception of movement and, 1, 201; pressure changes, gradual, 1, 72-98; *see also* Sensitivity
 - Stimulation, apparatus for, 6, 422 ff.
 - Stimuli, discriminative reactions to, 20, 187-93
- See also* Skin
- Cyclothymia, *see* Abnormal
- Czolgosz, mentality of, 14, 117
- D
- Dancing, 6, 48; history of, 9, 414
- Dancing mania, *see* Abnormal: Dancing, Tarantism; mouse, 19, 147, 277; *see also* Animals: Mouse
- Daphnia, *see* Animals
- Dark, reactions to, 14, 21; *see also* Fears: Darkness
- Darwin, C., anniversary addresses on, 21, 336; influence on philosophy, 21, 510; inheritance of acquired modifi-
- Darwin (*continued*)
- cations, 28, 176; letters of, 14, 259; mental development according to, 9, 534-59; origin of emotions according to, 28, 182
- Data, fractionation of, 28, 588
- Da Vinci, L., 22, 319; psycho-analysis of, 22, 408 ff.
- Dawn, child's fear that it will not come, 14, 36
- Day, hard, attention tested on, 14, 547; night vs. in mythologies, 19, 38 ff.; *see also* Weather
- Day-dream, conditions of, 15, 467 f.; content at different ages, 15, 469-77, 487; creative imagination and, 15, 481-3, 487 f.; definition of, 15, 465 f.; ethics in, 15, 477-81; fatigue and, 15, 468; morals in, 15, 477-81; morbid, 15, 483-8; psychology of, 15, 465-88; questionnaire on, 15, 446; sex-differences in, 15, 488
- Day-dreaming, case of, 1, 363
- Day-forms, *see* Forms: Imaginal
- Daylight, artificial, advantages of, 27, 427; laboratory uses for, 27, 427 ff.; with Hering color-blindness apparatus, 30, 419 f.
- Daylight Mazda lamp, psychological laboratory use of, 30, 313 ff.; *see also* Apparatus
- Daylight, natural, disadvantages of, 27, 427; Fechner's colors affected by, 13, 514
- Daylight photometer, 27, 335-40; *see also* Apparatus
- Dead, disposal of, by Chilkats, 29, 79; water in ceremonials over, 10, 187; worship of, 24, 454
- Dead grafts, revolution in biology and surgery, 30, 316-22
- Deaf, instruction of, 6, 457; *see also* Laura Bridgman
- Deaf-mute, 5, 109 f.; brain anatomy of, 1, 493; hypnotic treatment of, 1, 521; sense-organs of, 4, 248-94
- Deafness, 2, 182; audition in, 2, 182; determination of, 16, 321; illusion in sound-direction after recovery from, 3, 573 f.; primitive peoples and, 16, 121 f.; timbre, 1, 355, 702-5
- Death:
- Adventure of, 28, 463
 - Decay and, 26, 563-6
 - Electrocution, 3, 126
 - Fear and, 25, 167 f.
 - Fear of, 8, 221-4; 26, 550-613
 - Feel of, 29, 451
 - Ideas of, 8, 91-100; Malayan, 20, 225; primitive, 20, 224 f.

- Death** (*continued*)
 Mors et vita, 29, 451
 Mystical, 14, 397-409
 Night and, 19, 19 f., 22 f.
 Old age and, 8, 67-122; 19, 572
 Origin of, 3, 105
 Penalty, 3, 390
 Rate, of children, 9, 287
 Rivers of, 10, 206 ff.
 Sensations of, 29, 451
 State of, 14, 397
 Wish, 21, 94; in children, 21, 94 f., 97, 253; in dreams, 21, 322
- Decadents**, 5, 503 ff.
- Decay**, death and, 26, 563-6
- Deception**, animals, 11, 443 ff.; children, 11, 445 ff.; instinct of, 11, 440-5; psychology of, 2, 341 f.; reality and, 14, 288; religious miracles, 11, 447-51; self-extension and, 11, 440, 447-51
- Decoration**, adornment and, among savages, 7, 179-86; aesthetics and primitive, 21, 379
- Deduction**, intuition and, 25, 308-11
- Defective**, mental, *see* Abnormal: Mental defective
- Defensive mechanisms and fear**, 25, 152
- Deficiency**, mental, *see* Abnormal: Mental defective
- Degeneracy**, concepts of, 15, 454; in literature, 6, 472; stigmata of, 2, 147 f., 346; *see also* Abnormal: Feeble-minded
- Degeneration**, causes of, 10, 322; 'psychic, hereditary,' 1, 345
- Delayed reactions**, *see* Association reactions; Reactions
- Delinquency**, mental deficiency and, 30, 325
- Delinquent**, diagnosis and prognosis of, 26, 311; point scale ratings of, 27, 284
- Delirium**, *see* Abnormal
- Delirium tremens**, *see* Abnormal
- Delusions**, *see* Abnormal
- Dementia**, *see* Abnormal
- Democracy**, religious education and American, 29, 456
- Demonology**, 20, 250 f.
- Demonomania**, *see* Witchcraft
- Dendro-psychoses**, *see* Tree
- Depression**:
 Cyclothymia, 21, 174
 Feeling of, 20, 399 ff.; dimension, 17, 368 f., 373, 376 ff., 383, 386, 388, 391, 557; 20, 399 f.
 Insane, 17, 38-68
 Puberty and, 21, 247
 Study of, 30, 302 ff.
See also Mental depression
- Depth**, eye-movement and, 5, 99 f.; visual, lag in perception of, 30, 41 ff.
- Depth-perception**, 7, 414-18; 14, 150; accommodation and convergence in, 7, 430; convergence, influence of, 14, 150; historical discussion of, 14, 154-70; lag in development of, 30, 41 ff., 51-61; light-intensity and, 7, 518; monocular, 7, 415
- Dermal**, *see* Cutaneous; Skin
- 'Dermographism'**, 6, 367
- Descartes**, Hobbes influenced by, 11, 64 ff.
- Description**, 22, 554 f.; 24, 436; categories of, 23, 495; explanation and, 23, 498 f.; information *vs.*, 23, 169 ff.; psychological, 23, 165 ff., 175 ff., 486, 491 ff.
- 'Desistent association'**, 5, 261
- Determination**, of sex, 10, 321; to remember, influence on recall and recognition, 26, 219-24
- Determining tendency**, *see* 'Set'
- Determinism**, 5, 264; Christian doctrine of, 7, 364-70; psychical, 22, 478 f., 521 f.
- Deubler**, Konrad, 1, 340 f.
- Development**:
 Arrested, children's, 14, 629; mental pathology and, 11, 208-14; moral 11, 192-205; organic, 11, 188-92; pathology and, 11, 205-8; psychic, 11, 192-205
 Frog's egg, 9, 248
 Motor, 14, 630; theory of, 14, 616
 Moto-sensory, 22, 321
 Psychic, the Mystics and, 14, 406
 Stages of, 14, 361
 Symmetry in, 5, 168 f.
- Developmental psychology**, in man, 27, 71-86
- Deviations**, *see* Correlation
- Dextrality**, American Indian, lefthandedness in, 8, 135; left-handed writing, 22, 189 ff.; children, 5, 175, mirror-reading and, 29, 236; precision of voluntary motor-ability; 5, 175 f., 190 ff., 201; reaction-time, 5, 352-355; right hand *vs.* left hand, 19, 346, 351 f., 454, 457, 464-7, 480; righthandedness, index of, 19, 446; 20, 44 f., 352, 358, 452; right-handed subjects, 5, 175 f., 196; *see also* Unidextrality
- Diagnosis**, mental, 20, 22-35; neurological, 20, 153
- Diagram tests**, 2, 483
- Dialectic of Plotinus**, 21, 346
- Diatonic scale**, 5, 55; *see also* Music
- Dictionary**, *see* Textbooks

- Difference**, just-noticeable, in lines drawn with and without vision, 3, 57 f.; limen for smell, by just-noticeable difference method, 10, 125 f.; sensation, 1, 184; sensibility, palmesthetic, 23, 344; rate, 23, 344; supraliminal, method of, 12, 75 f.
- Differences**, individual, *see* **Individual differences**; probable correctness computed, 28, 454; *see also* **Animals**
- Difference-tone**, attention and, 16, 435 f.; explanation of, 18, 173; perception and localization of, 3, 383 f.
- Differential**:
 Psychology, 23, 340; nature, tasks and methods of, 12, 270
 Sensations, 11, 266
 Sensitivity, attention and, 20, 486, 488, 492, 495; lifted-weight, 10, 604; smell end-organ, 10, 91 f.
- Differentiation**, law of, 11, 181 f.; mental, causes of, 10, 6; mental development, 11, 182; organic development, 11, 181; psychic causes of, 10, 6
- Digits**, 14, 650; frequencies per thousand of individual, 14, 660
- Diplopia**, monocular, cerebellar tumor with, 3, 375
- Dipsomania**, *see* **Abnormal**
- Direction** of sound, illusion in, after recovery from uni-aural partial deafness, 3, 573 f.; perception of, 1, 314 f.; *see also* **Sound: Localization**
- Direction test**, a difficult, 29, 329
- Discipline**, religious and moral, of children and the theory of recapitulation, 29, 377
- Discrimination**, 20, 366 f.
 Accuracy in, *vs.* intelligence, 20, 364-9
 Animals, bird, 17, 264 f., 269 f.; cat, 23, 461; dog, 30, 291-4; raccoon, 22, 116 ff.; sparrow, 15, 336-9, 344
 Apparatus for recording continuous, 29, 128
 Attention concentrated and distracted *vs.*, 7, 539-52
 Clangs and tones, 3, 482; 12, 409-57; 13, 219-68; effect of practice on, 12, 423-448; time interval and, 12, 58-79, 421, 453; under distraction, 12, 455 ff.
 Clicks, 5, 292-310
 Color, by birds, 17, 365 f.; sparrows, 15, 337 ff.
 Cutaneous, 5, 280; patterns below the two-point limen, 29, 400
- Discrimination** (*continued*)
 Design, by birds, 17, 264 f.; 269; sparrows, 15, 344 f.
 Distraction *vs.*, 5, 13
 Feeble-minded, 15, 428-32, 438 f.
 Form, by sparrow, 15, 336 f.
 Grays, 8, 53 f.
 Improvement in, factors, 18, 333 f., 339 f.
 Intelligence and, 15, 259-74; 286-92
 Light, 15, 244 f.
 Magnitude, surface, 8, 494-505
 Odors, as a distraction, 8, 411 f.
 Olfactory, 2, 481
 Pitch, 15, 228-31; of tones from bottle and tonometer, 12, 453
 Procedures, 15, 246-9
 Sensory, in normal and feeble-minded children, 26, 614 f.
 Sound, 15, 243 f.; by cat, 23, 461 ff.; by dog, 30, 291-4
 Spearman's experiment, 15, 241-92
 Tests of, 10, 357 f., 382-5
 Time, 1, 325
 Visual, 2, 477-80; quality, 15, 232 f.
 Weights, 2, 650 f.; 15, 233, 245 f.; 24, 80; under 'direct' stimulation, 5, 274 f.
See also **Sensory: Discrimination; Weber's law**
- Disease**:
 Ideas of, 20, 223 f.; American Indian, 20, 224; Assyrian, 20, 225; Greek, 20, 226, 231; Hebraic, 20, 239; mystical, 20, 223 f.; primitive, 20, 224-7; *see also* **Anthropology**
 Mental and nervous, 20, 290 f.; psychomotor disturbances in, 20, 153
 Nervous system, 6, 475
 Pain in, 20, 396, 421
 Primitive diagnosis, 20, 229
 Sin and, 20, 225, 237
 Suggestion and, 10, 482 f.; *see also* **Mental healing**
 Theories of, 20, 223 f.; Buddhist, Christian, and Islam influences on, 20, 225 f.
 Treatment of, Greek, 20, 226, 231 f., 238; primitive man's, 20, 230-5
 Venereal, 21, 508
- Dishonesty**, causes and treatment of, 27, 292 f.; *see also* **Deception; Lying**
- Disk**, *see* **Apparatus**
- Disk-cutter**, *see* **Apparatus**
- Dislikes**, bases of, 10, 542-6
- Dissection**, 5, 260 f.
- Dissociation**, 5, 37; 22, 135, 166 ff.; anaesthesia and, 1, 515; hallucinations and, 17, 130-3, 136; hysteria

- Dissociation** (*continued*)
 with, 21, 189, 191; Janet's theory of, 21, 191; personality, Prince on, 17, 280-4; shock and, 25, 175 ff.; sensory centers in hallucination, 17, 134 ff.
- Distance:**
 Estimation of, 4, 473; 14, 162; by arm-movement, 6, 369 ff.
 Perception of, 14, 152 f.
 Sounds, intensity a criterion of, 21, 347
 Tactual, over-estimated when drawn visually, 3, 55
- Distinctness**, 14, 494
- Distraction**, 2, 650; 9, 45-55, 332-45; 27, 446, 457 f.
 Adaptation to, 17, 364 f., 368
 Apperception and, 12, 122
 Association and, 7, 534-9
 Association method and, 25, 571
 Association reactions and, 27, 122, 130 f.
 Attention and, 8, 44; facilitated by, 9, 336, 343 f.
 Auditory, effect on memory, 28, 191; on sensory reaction, 29, 129
 Clang discrimination *vs.*, 12, 58-70; 13, 246 ff.
 Discrimination and, 7, 539-52
 Graded series, reasons not obtained, 24, 489 f.
 Inhibitory effect of, 9, 336
 Judgments in lifted-weight experiment and, 26, 302 f.
 Limen of, 20, 123 f.
 Measured by discrimination of lifted-weights, 9, 332-43; by muscular reaction, 5, 1-19
 Memory and, 10, 254
 Methods of, 8, 405-13; double-task, 20, 474, 485, 489 ff.; 24, 490; single-task *vs.* double-task, 27, 446 ff., 458 ff.
 Motor, memory-imagery influenced by, 27, 89, 109-13, 115 ff.
 Motor set and, 22, 181 ff.
 Musical sounds, 9, 332-45
 Odors, 8, 405-13; 9, 45-55; qualitative analysis of, 9, 50, 53 f.
 Olfactory, tonal discrimination and, 12, 455 ff.
 Overcoming of, 27, 294
 Reaction-time and, 7, 533 f.; 29, 129
 Tonal discrimination and, 12, 455 ff.
 Test, 24, 86
- Distractors**, 20, 486-9, 504-29; 24, 472, 491; 27, 446, 457 f.; 29, 129 ff.
 Appeals to affection most promising, 9, 344
 Description of, 24, 472 f.
- Distractors** (*continued*)
 Effect of, 24, 487, 503
 Effectiveness of, 20, 491 f.; in auditory-reaction, 29, 134, 143; in discrimination of clangs, 12, 63-7
 Graded, attempts to secure, 8, 405 ff.; 9, 45 ff., 343 ff.; method of, 20, 501
 Stimulus complexes unsuited as, 9, 344
- Distribution of consciousness and its criteria**, 25, 471-99; of repetitions, 24, 580
- Disuse**, effect of, 26, 58-67
- Division**, psychology of, 17, 30-7; *see also* Addition; Multiplication; Subtraction
- Dizziness**, *see* Vertigo
- Doctor-priest**, 20, 228, 237, 251
- Dogmatism**, evolution and, 22, 133 ff.
- Dog**, *see* Animals
- Dogs and savages**, 12, 391
- Donder's law**, Helmholtz' statement of, 16, 199 ff.
- Dorpat University**, psychology at, 4, 498
- Dot-marking test**, 20, 515
- Double inversion**, *see* Inversion
- Double personality**, *see* Abnormal: Personality
- Double-task**, *see* Distraction: Methods
- Doubt**, 21, 170; analysis of, 22, 227 ff.; expressed in moral judgments, 9, 220; insanity of, 3, 1-23; *see also* Abnormal; Anxiety; Fixed idea
- Doubtful judgments**, 18, 253, 255; 28, 11; disposition of, 12, 246; right-and-wrong method and, 1, 281 f.; time intervals, 27, 21 ff.
- Dowieism**, 20, 258 f.
- Drama**, 6, 48
- Drawing**, automatic, 1, 725; paranoiac's, 1, 460-79; 2, 349-75; psychology of, 28, 309; straight-line, 6, 303
- Dream**, 2, 509; 5, 257 f., 265, 311-43; 11, 593; 13, 451, 454; 16, 1 ff.; 22, 124 f., 127, 133, 455, 460, 463 ff., 603; 23, 160, 481; 27, 289
- Affection in**, 6, 33; 21, 298 f.
- Age and**, 16, 5
 Analysis of, 14, 272; among the ancients, 21, 309; individual case must be studied, 21, 324 f.; psycho-analytic method, 21, 285 f., 311 f.; superstition and, 21, 309 f.
- Ancestral aquatic life revealed in**, 10, 182 ff.
- Aristotle on**, 2, 45
- Association**, 5, 328
- Blind person's dreams**, 1, 313

Dream (*continued*)

- Cause of, 1, 331 f.; 16, 7; gustatorial, 10, 326 ff.
- Censorship of, 21, 304 f., 314, 317, 326
- Colors in, 9, 413
- Condensation in, 21, 286-94, 301 f., 320 ff.
- Confusion of with real life, 16, 25
- Consciousness, study of, 7, 405-11; 12, 131-4
- Content, course, configuration, and functions of, 26, 202-7; latent content of, 30, 270 f.
- Deaf person's, 5, 248
- Death-wish in, 21, 322
- Diagnostic significance of, 21, 200-3, 327 f.
- Dramatization in, 21, 294 f.
- Dreaming a dream, 16, 22
- Emotional state in, 7, 408 ff.; 9, 414; 12, 133; 16, 23
- Evening, 1, 377-80
- Exhibitionism in, 21, 315
- Experiments on, 9, 413
- External references of, 26, 207-10, stimuli and, 6, 505, 507
- Fears in, 8, 189-93
- Forgetfulness of, 14, 271 f.
- Form characteristically assumed, 24, 410
- Frequency of, 16, 4
- Freud's theory of, 21, 200-3, 283-328
- Function of, 1, 330 f.
- Hearing in, 5, 248
- Historical references of, 26, 207-10;
- Illusion, three stages in, 5, 335
- Images in, 5, 313; types of, 7, 406 ff.; 9, 413; 12, 132 f.
- Influence of, 14, 285; 16, 4, 28 ff.
- Insanity and, 21, 168
- Key to, importance for primitive man, 14, 285
- Kinds of, 16, 10 ff.
- Knee-jerk affected by, 1, 61
- Latent content of, 30, 270 f.
- Locality and, 16, 5
- Meanings of, 13, 451
- Memory in, 21, 300 ff.; illusions and, 1, 735
- Memory of, 5, 312
- Moral element in, 16, 27
- Morning dreams, 1, 377-80
- Myth and, 21, 168
- Nakedness in, 21, 315
- Neologisms in, 21, 293 f., 321
- Night dreams, 1, 377-80
- Pathological, and hysteria, 21, 346
- Pathology of, 1, 192 f.
- Peripheral stimulation and, 21, 302 f., 318 f.

Dream (*continued*)

- 'Presentation,' 5, 323
- Primitive idea of 'self' and, 27, 179 f.
- Pseudo-remembrance in, 2, 451
- Psychology of, 14, 271-87; medical, 13, 454
- Recognition theory and, 4, 464 f.
- Recording of, 1, 381-7
- Rhythms in, 24, 412
- Robbers in, 21, 316, 320
- Secondary elaboration in, 21, 297
- Senses in, 23, 65
- Sex-cycles and, 1, 388-401
- Shooting in, 21, 324
- Smell in, 6, 506 f.
- Soul, belief in, due to, 15, 127
- Statistics on, 2, 342 f.; 5, 311
- Studying, 26, 196-210; outline for, 26, 199
- Substitution in, 30, 104 f.
- Subjects of, 14, 279
- Suggestion and, 6, 505-9
- Symbolism of, 21, 203, 249 f., 261 ff., 309-28
- Taste in, 5, 320; 6, 505 ff.; 10, 326 f.
- Temporal reference of, 9, 414
- Theory of, 14, 351; Freud's, 21, 200-3, 283-328; mind's origin and, 29, 436; recognition, 4, 464 f.
- Thought and personality in, 16, 549
- Transformations in, 1, 380 f.
- Violence in, 21, 316, 320
- Visually conditioned, 9, 413 ff.; 12, 131-4
- Vividness of, 5, 315 f.
- Volition in, 5, 327
- Wild beasts in, 21, 316, 320
- Wish-fulfillment in, 21, 202 f., 312-23
- Word elements of, 5, 322
- See also* Day-dream
- Dream-double, part of the self, 27, 180
- Dream-making, defined, 21, 294; waking thought *vs.*, 21, 297 f.
- Drowning, suicide by, explained, 10, 186
- Drowsiness, 22, 99 ff.; amnesia in, 22, 111; association and, 22, 109 f.; grandeur and vastness in, 22, 110 f.; hallucinations in, 22, 99 ff.; imagery type in, 22, 101 ff.; imaginative writers and, 22, 108 f.; inhibition removal under, 22, 107 ff.; substitution in, 22, 106 ff.; symbolism absent in, 22, 111
- Drugs, action at a distance, 1, 502, 504 f.; intoxication and higher mysticism, 28, 578; fatigue and, 19, 387, 436; mental and motor effects of, 6, 301 ff.; scopolamine-morphine

Drugs (*continued*)

anaesthesia, 26, 312; *see also* Alcohol; Caffein; Hashish; Opium; Strychnine

Drunkennes, capital punishment and, 3, 125 f.; *see also* Abnormal: Dipso-mania

Duality, mind's origin and, 29, 438

Dullness, physical growth and, 9, 295-9, 312; *see also* Child

Duration, 5, 104 f.

Attribute of sensation, 4, 85; 27, 1, 5, 44 ff.

Feeling of, 2, 583-6

Final product of creative synthesis, 27, 5

Of arm-movement and judgment of length of movement, 20, 374-85;

exposure and arousal of memory-image, 27, 88, 101 ff., 115 ff.;

retinal stimulation *vs.* intensity, 1, 548

Progression and, 27, 4, 12, 43 ff.

Study of, important, 21, 411

Subjective *vs.* objective, 27, 5

Temporal judgment and, 27, 1-46

Ultimate datum of time, 4, 85; 27, 3

See also Time; Time-judgment

Dynamic idealism, 9, 417; psychology, 25, 283-7; 29, 352; Thorndike on, 18, 374 f.; sensations, 1, 181

Dynamo-genesis, 9, 332, 336-43; 17, 300 f.

Dynamogenic factors in pacemaking and competition, 9, 507-33

Dynamograph, *see* Apparatus

Dynamometer, *see* Apparatus

Dynamometric myograph, *see* Apparatus: Myograph

Dynamometry, 5, 196

E

Ear:

Auditory organ of Laura Bridgman, 4, 283-9

Corti, arches of, function, 2, 513 f.

Drum of, 5, 344-50

Fishes', 2, 153

Labyrinth of, 1, 179-82; fishes', 2, 153

Lateral line organs of fish, 10, 152

Morphology of vertebrate, 4, 301

Organ of time sense, 13, 94 f.

Physiology of, 5, 101 f.

Semicircular canals, 5, 101 f.; compensatory motions and, 19, 146;

electric stimulation of, 2, 332, 480 f.; function of, 1, 179-82;

movement of fluid in, 2, 481;

perception of sound-direction and, 1, 314 f.

Ear (*continued*)

Tympanum, 5, 101, 344 ff.; pressure on, 5, 346; sensitivity of, 1, 199 f.; spatial sensation and, 5, 263

Vertebrate, morphology of, 4, 301

See also Cochlea; Sound

Earthquake, emotional and moral effects of, 2, 342 f.; origins and phenomena of, 13, 582; *see also* Animals

Earthworm, *see* Animals

Ebbinghaus, evaluated, 21, 405; on beats, 15, 62-71; on visual illusions, 15, 447; obituary, 20, 472

Eccentric projection, 9, 365

Echolalia, case of 'tic' with, 1, 204, 720

Economics, charity and, 6, 284; psychology and, 6, 284

Economy, law of, in conjuring, 11, 499-505

Ecstasy, human, 3, 251; relation to sex and art, 7, 218 ff.

Ecstatic intoxication in religion, 28, 578

Edentata, *see* Animals

Educability, criterion of consciousness, 25, 494 ff.; education *vs.*, 23, 88

Education, 23, 157, 477 f.

Abnormals, defectives, 27, 294; insane, 1, 190 f.; weakminded, 21, 504

American, 21, 340; democracy and religious, 29, 456

American Indian, writing-learning by, 17, 39-79

Animal experiments of value in, 21, 2 f.

Association and, 25, 581 ff.

Attention and interest, 21, 344

Chilkat Indian, 29, 72

Citizenship and public service, training for, 29, 456

Classification of school children, 21, 280 ff.

Cyclopaedia of, 2, 510

Educability *vs.*, 23, 88

Eskimo, writing-learning by, 17, 73

Experimental, 23, 340

Genetic philosophy of, 24, 137

Guidance in, 26, 471

High-school subjects, psychology of, 26, 619

Hindu, 28, 460

Horse and its, 25, 6 ff.

Hygiene in, 2, 344

Ideals, 14, 303

Instincts in, 29, 235

Intensity of sensation and, 19, 286

Language-study in, 2, 91-140

Mental discipline and educational values, 21, 340

- Education** (*continued*)
 Morality and, 6, 284
 National, 6, 285
 Philosophical ideal and, 12, 277
 Plan based on recapitulatory theory, 19, 374
 Problems relative to imagination, 26, 547 ff.
 Psychiatry and, 13, 585
 Psychology and the teacher, 21, 173
 Psychology of, 23, 151, 467; 22, 128, 136, 474, 601; 23, 147; 28, 464; 29, 125, 235
 Psychopathology of childhood, 21, 344
 Puberty and the school, 21, 508; physiology of, 30, 237 f.
 Purpose of, 28, 161
 Religious, social theory of, 29, 126
 School life, physiological effects, 26, 616
 Sexual, 3, 259; 20, 297-317; studies in psychology of sex, 21, 508
 Sexual life in, 21, 507
 Social taboo in, 27, 154
 Statistics for the West, 13, 577
 Sthenic index in, 23, 594
 Stuttering and, 27, 72 ff.
 Sunday kindergarten, 21, 340
 Tapping-test and, 19, 350 ff.
 Testimony experiments, consequences of, 21, 273 f.
 Theory of, 22, 448 f.; its evolution, 24, 294
 Training pupils to study, 29, 353
 Values and methods of, 26, 619
 Waste in, 27, 507 ff.
 Woman's, 10, 307
See also Child; Pedagogy; Textbooks:
 Psychology: educational
- Educators**, modern, and their ideals, 20, 462
- Edwards**, Jonathan, and religion in early New England, 13, 550-74
- Efficiency** in typewriting, 27, 47-70
- Efficient** and final causes, 27, 245, 248 f.
- Effort**, attention's, 23, 350 ff.; mental, motor phenomena of, 7, 491; sense of, 5, 275; 12, 257; voluntary movement, 21, 556 ff.
- Ego**, child's first concept of, 9, 362; exaggerated in lies, 3, 67 ff.; Flugel on, 17, 141 f.
- Egocentric** reactions, 30, 300 ff.
- Egypt**, religion and thought in ancient, 24, 286
- Eidola**, 2, 54
- Ejective** philosophy, 5, 465-71
- Elasmobranch**, *see* Animals
- Elberfeld** horses, 25, 1-31; 131-6; *see also* Animals: Horse
- Elective** sensory paralysis, *see* Abnormal: Paralysis
- Electrical**, reactions in paralytic disorders, 1, 199; supply for laboratory, *see* Apparatus; theory of reflex, 3, 80-5
- Electric** stimulation, auditory hallucinations and, 1, 316; reaction-time to, 1, 710; smell organs under, 1, 317
- Electrocution**, 3, 126
- Elements**, concrete, theory of, 14, 337; consciousness, *see* Consciousness; genetic, theory of, 14, 337; mental, 25, 284; Wundt's doctrine of, 16, 499 ff.; 17, 206-26; primary and secondary, 21, 348
- Elimination**, organic development and, 11, 182-7; psychic development and, 11, 184, 187
- Embarrassment**, stimuli to arouse, 28, 393; tests of effect of, 28, 393
- Embryo**, human, cranial nerves of, 1, 492; dimensions of, 12, 2 ff.; movements of, prenatal, 12, 4 f.; position in utero, 12, 3 f.; *see also* Child
- Embryology**, fear and, 25, 165
- Emerson**, R. W., influence of, 14, 264; journals of, 21, 339; transcendentalism of, 30, 73-82
- Emissions**, nocturnal, 15, 104-7
- Emmanuel** movement, in a small New England town, 20, 461
- Emotion**, 5, 42, 46 f., 56, 68 f., 71, 334, 467; 13, 62; 20, 54, 105, 148, 270; 22, 603; 23, 149 f., 464 ff.; 24, 520; 27, 152
- Aesthetic**, 6, 39 ff.
- Affective** dimensions of, 19, 213-31; states, emotion one class of, 19, 261
- Alimentary** canal functions and, 20, 595
- Analysis** of, 19, 221
- Anger**, Freudian methods applied to, 26, 438-43; psychology and pedagogy of, 30, 325
- Asceticism** as stimulant of, 13, 72
- Association** reactions and, 27, 127, 130 f., 135 f.
- Bodily** changes under, 27, 152; brain-temperature, 1, 697 f.; breathing, 17, 413
- Classification**, 16, 548 f.; in terms of affection, 19, 217 f.
- Clinical** notes on, 24, 520
- Colors** affect, 24, 550
- Complex**, McDougall on, 20, 287

Emotion (*continued*)

- Complication of emotional states, 15, 578 ff.
 Definition of, Stumpf's, 28, 263
 Development in chicks, 10, 265-76
 Ethics of, 15, 575-8
 Expectation and, 20, 533
 In animals, birds, 17, 266 ff., 270;
 chicks, 10, 265-76
 chess playing, 18, 273 f., 302 f.
 dreams, 7, 408 ff.; 16, 23
 hypnotism, 1, 504
 musical enjoyment, 23, 277 ff.,
 298 f.
 post-apoplectic dementia, 18, 527
 Instinct and, 20, 285; 27, 228 ff.
 Interrelations of the emotions, 25,
 256-82
 Joy, 10, 604; 11, 600
 Laboratory tests of, 28, 390
 Love, 6, 38 f.; 11, 277; between the
 sexes studied, 13, 325-54; love
 letters, old Swabian, 13, 172;
 questionary on, 13, 328 f.
 Lying determined by, 3, 62 f.
 Motor tendencies and, 6, 652
 Nature of, 15, 569-80
 Neural levels and, 25, 277-82
 Onirotic condition of, 6, 35 ff.
 Origin of, W. B. Cannon on, 28,
 179; Crile on, 28, 181; Darwin
 on, 28, 182
 Pleasure and pain *vs.*, 6, 628
 Problems of, 15, 569-80
 Psychological experiments on, 28,
 163
 Religious, 6, 39; 13, 62-79; revivals
 appeal to, 13, 562 ff.
 Sadness, 11, 600
 Science of, 12, 391
 Stimuli of, 28, 167 ff.; anger, em-
 barrassment, fear, 28, 391 ff.;
 imagination, 19, 251; repulsion,
 sex interest, 28, 391 ff.
 Stuttering and, 25, 230-5
 Theories of, 9, 245
 Iron's, 15, 569-74
 James-Lange, 6, 36; 13, 453; 15,
 569-74; 20, 387, 389; 25, 257,
 280, 427-47; 28, 163; and race,
 25, 190, 193; in Lessing, 28, 301
 physiological, 6, 625 f.
 Thoracic breathing and, 16, 268 ff.
 Transitions in mental development
 and, 18, 360 ff.
 Water intensifies, 10, 218 f.
 Weather-conditions and, 13, 74
 Wonder and horror, 6, 37
See also Affective; Crying; Feeling;
 Jealousy; Laughter; Religion; Sex

- Emotional association, 5, 270; content
 of music, 9, 63-9; empathy and
 proper names, 27, 434; experiences
 in dreams, 12, 133; meanings,
 kinaesthetic basis of, 24, 238;
 nature of women, 19, 523; reactions
 and psychological experimentation,
 28, 163
 Empathy, 14, 491; proper names and
 emotional, 27, 434; senile delusions
 and, 16, 529 f.
 Empirical philosophy, 19, 367-73; psy-
 chology, Italian, de Sarlo and,
 15, 518-25
 Empiricism, 5, 465
 Encyclopedia Britannica, psychology in,
 23, 37-58
 Endophasia, 17, 127-33
 End-organs, 'free endings,' 5, 279;
 internal tissue containing, 20, 404-
 12; sensory, in joint, 12, 350 f., 353;
 in tendons, 12, 350 ff.; in plants, 22,
 127; Pacini, 2, 173; physiology of,
 21, 511; smell, 5, 97; 10, 91 f.; taste,
see Taste; vision, *see* Cones; Rods
 End-spurt, 27, 556; *see also* Initial
 spurt
 Endurance, tests of, 5, 198; 6, 76 f.
 Energetics, psychobiology and, 20,
 464; psychology's relation to (Ost-
 wald), 17, 146
 Energy, 19, 157, 175
 Fatigue and, 19, 392 ff.
 History of, 9, 242
 Man's reserve of, 19, 392
 Protoplasmic, 8, 418
 Reality and, 10, 314
 Specific, Müller on Helmholtz'
 theory of, 15, 62 f.
 Visual stimuli possess, 2, 328 f.
 Engineering, illumination, 22, 474
 England, experimental psychology in,
 8, 583; mental ability in, distribu-
 tion of, 2, 181 f.
 English, articles of psychological in-
 terest in, 28, 145, 148
 English sparrow, *see* Animals
 Ennui, animal's experience of, 6, 29;
 character of, 6, 29 f.; *see also* Tedium
 Entelechy and origin of mind, 29, 439
 Entoptic vision, 4, 480 f.; hallucina-
 tion and, 1, 312
 Environment, influence of, 22, 177;
 meaning of, 29, 197, 199
 Epicurean, Stoic and, 21, 510
 Epidemics, 8, 581; pestilence and,
 (bibliography), 18, 1-60
 Epilepsy, *see* Abnormal
 Epiphysis in teleost and amia, 6, 449
 Episkotister, *see* Apparatus

- Epistemology**, 9, 131; 16, 135; 20, 295; 23, 471 ff.; beginnings of, 11, 515 f.; essay on, 26, 620; transcendental problem and, 21, 348
Epithets, sense-, 11, 592
Equilibrium, 5, 102, 276; sense of, 1, 179 ff.; 23, 62
Equipment, psychological, in Surgeon General's Office, 3, 280 f.; *see also* Apparatus
Equivalents, method of, 1, 318 f.; 26, 300 ff.
Erethism, 7, 154-8
Ereuthophobia, *see* Fear: New faces
Ergograph, studies with, 13, 583; validity as measurer of work-capacity, 15, 307 f.; *see also* Apparatus
Erotic aesthetics, 19, 431
Errors, arithmetical, 17, 5 f., 14-20, 28 f., 31 f.
 Correction of, association in, 18, 252
 Judging size of familiar objects, 9, 137-66
 Observational, 5, 285-93
 Psychoanalytic value of, 21, 203 ff.
 Psychological experimentation, 6, 428 ff.
 Recognition and unrecognition, 10, 291
 Recollection, 7, 304
 Testimony analyzed, 21, 272 f.
 Time-estimation, systematic, 18, 187-93
 Typewriting-reaction, causes, 18, 337 f.; 27, 55 ff., 64, 69
 Variable, 5, 287, 296
 Translator's, Külpe's 'Outlines,' 7, 305 f.
Erythropsia, (violet-vision), 1, 708
Escapes, historic, romance of, 29, 125
Eskimos, written language acquired by, 17, 73; hypnosis among, 1, 553
Etheromania, 2, 515 f.; *see also* Abnormal
Ethical aspects of Chilkat culture, 29, 66
 Element in aesthetics of Fichte and Schelling, 14, 264
 Instinct during adolescence, 9, 99-102; religious nature and, 9, 101
 Movement in Germany, 6, 141
 Philosophy of life, Adler's, 29, 350
Ethics, 9, 412; 10, 148, 316, 319, 323, 597, 601; 11, 598 f.; 13, 453; 23, 339 f.; 24, 449
 Automatic actions basis of, 21, 380 ff.
 Classical moralists—Socrates to Martineau, 21, 345
 Darwin to Nietzsche, 8, 310
Ethics (*continued*)
 Emotion and, 15, 575-8
 English utilitarianism, 13, 453
 Evolutionary, 6, 649 f.
 Guilt, sense of, 8, 423
 Höfding's, 14, 263
 Japanese, 11, 599
 Loyalty, philosophy of, 19, 409
 Modern ideals in, 19, 431
 Morality and nature, 8, 580
 Moral judgments, study of, 9, 199-234
 Moral life, Shakespeare and, 13, 581
 Morals, 11, 598
 Primitive, 21, 375
 Principles of conduct, 29, 234
 Revelation and, 10, 597
 Sexual, 19, 572
 Shaftesbury's, and aesthetic proportion, 12, 458-91
 Sociology and, 9, 248 f.
 Theoretical, 9, 416
 Tribal society, 6, 282
 See also Textbooks: Ethics
Ethnology, 1, 545; 6, 281; 22, 470, 473, 604; 23, 160, 339-43, 483, 595
 American Indian, 23, 151 f.
 Australia, 23, 587 f.
 Buganda, 23, 335 f.
 European peoples, 13, 578
 New Guinea, 23, 584 f.
 Racial psychology, 13, 578
 South America, 15, 311
 Western Asia, 7, 134
 See also Anthropology; Periodicals
Eugenics, 22, 456 ff.; 26, 620; 27, 293; Family and nation, a study in inheritance, 21, 337; plea for, 21, 337; practical suggestion in, 19, 143
Europe, prehistoric, 22, 320
Evidence, facts of, 20, 136
Evolution, 10, 312; 19, 151-212; 23, 479, 483
 Action, reaction and interaction theory of, 29, 124
 Animal, 20, 71
 Atavism, 9, 359; 10, 323
 Atrophy and, 11, 597
 Causes of evolution and degeneracy, 26, 158
 Christianity, 10, 597
 Consciousness and, 11, 170; 19, 200; 22, 135
 Creative, 22, 473; 23, 333 ff.
 Darwin and the Origin of Species, addresses on, 21, 336
 Darwinism, fifty years of, 20, 466, 578-83
 Dissolution and, 10, 599

- Evolution** (*continued*)
 Dogmatism and, 22, 133, 135, 304-7
 Dynamic, 26, 158
 Evolution of today, 12, 390
 Factors in, 22, 602
 Fear and, 25, 152 ff.
 First principles of, 25, 457
 General ideas, 8, 578
 Hand, human, 9, 453
 Heredity and, 9, 416; 10, 598; physiology of, 19, 435
 History of the concept, 9, 248
 Idea of God, evolution of, 9, 414
 Immortality, 12, 395
 Instincts and habits in fish, 13, 421-5
 Lowell lectures on, 6, 652
 Man, 10, 601; 12, 279; 23, 612
 aquatic life, retrogression to, 10, 178 ff.
 arboreal ancestry, biologic evidence, 9, 450-8; dendro-psychoses and, 9, 450-67; psychological evidence, 9, 458-67
 mind and, 14, 261
 pelagic ancestry, evidence, 10, 170-7
 social direction of, 24, 248
 Meaning, 25, 457
 Mechanico-physiological theory, 10, 323
 Memory, 2, 244 f.; 21, 344
 Mental, 13, 171, 576, 578; 14, 261; 19, 575; 22, 435 f.; Darwin's idea of, 9, 534-9; hand and, 16, 232 ff.; Romanes' doctrine of, 11, 101-18
 Moral, 21, 375
 Neglected factors in, 23, 148 f.
 Oranic, 11, 599; 16, 140
 Pangenesis, 23, 148
 Philosophical principle of, 9, 241
 Physiologic, problem in, 13, 409
 Plants, 20, 71
 Problems of, 12, 390; 20, 464
 Protozoa, 20, 458
 Psychic, of the infant, 20, 464
 Psychophysical, 13, 576
 Responsibility sense, 23, 471 ff.
 Social, and socialization, 27, 579
 Soul's, 10, 602; 16, 136
 Theology and, 12, 143
 Theory criticized, 19, 175; 27, 561; opposing, 19, 175
 Theory of descent, 19, 436
 Tool for genetic psychologist, 10, 6
 War and, 27, 577 f.
See also Animals
- Exaltation**, 5, 81
Examination, methods of, 24, 429-40
- Excision** in recapitulation, 10, 172
Excitation, Münsterberg's theory of, 15, 299 f.; and depression (cyclothymia), 21, 174; *see also Abnormal: Cyclothymia*
Excitement, 20, 270, 273 f., 387, 400; feeling-dimension, 17, 373; 376, 379, 383, 386, 388-91, 556; *see also Feeling*
Exercise, physical, and mental activity, 6, 258 ff.
Exhaustion, 14, 539; paralysis, 1, 726; Smell-, different rates of, 10, 87
Exhibitionism, in dreams, 21, 315; source of artistic expression, 21, 210
Existence, struggle for, man and, 29, 199
Exorcism, 20, 230, 245, 247 f.
Expectation:
 Activity of, 20, 533
 Attention as, 20, 532 f., 563
 Comic effect influenced by, 16, 59 ff.
 Consciousness of, 20, 535, 556-69
 Emotion of, 20, 533
 Feeling of, 20, 534
 Of auditory stimuli, 20, 541-4; pressure stimuli, 20, 544 f.; temperature stimuli, 20, 544 ff.; visual stimuli, 20, 535-40; word stimuli, 20, 551-5
 Sound intensity and, 18, 332; localization under, 26, 268-85
 Striving of, 20, 534
 Study of, 20, 530-69
 Suggestion and, 19, 517
See also Time: Judgment
- Experience**, age and, in correlations of mental tests, 29, 353; pure, Petzoldt on, 15, 310 f.
- Experiment**:
 Aristotle's crossed fingers, 4, 143
 Class, 14, 439
 Gradual monocular, 14, 191
 Linear space-perception, 25, 139 f.
 Method of, 26, 498 f.
 Psychical research experiment at Leland Stanford University, 29, 233
 Vorticella gracilis, 10, 257-62
Experimental pedagogy, 19, 568; 20, 584 ff.
Experimental Psychologists, *see Meetings*
Experimental psychology, 9, 420; 22, 472, 593 ff.
 Beginnings of, 5, 426
 Defects of, 15, 202 ff.
 Earliest German manual, 12, 140
 Economy and training of memory, 21, 339
 Elementary experiments, 21, 174

Experimental psychology (*continued*)

- England, 8, 583
- German universities, 4, 585-94
- History of, 5, 426; 12, 140; 16, 208 ff.; 22, 446; from 1899 to 1909, 21, 404-21; for year 1904, 15, 294 f.
- Introduction to, 26, 471
- Italy, 15, 515-25; 16, 225
- Laboratory course in, 5, 390
- Origin of, 22, 446
- Problems of, 16, 208 ff.
- Secondary school instruction and, 12, 602 f.
- Technique of, 16, 139
- Thought processes, lectures on, 21, 348
- Wellesley College course, 5, 260-71
- Year 1904 in, 15, 294 f.
- See also Textbooks: Psychology: experimental
- Experimental psychopathology**, technical aspects, 20, 155
- Explanation and description**, 23, 498 f.; see also Causality
- Exposure devices**, see Apparatus
- Expression**, facial, of the insane, 5, 92
 - Method, in attention, 16, 261 ff., 409 ff.; in comic effect, 16, 77 ff.; in emotions, 16, 548 f.
- Expressive method**, feeling and, 17, 522-84; literature summarized, 17, 522-30
- Expressive movements**, 13, 580; 14, 260
- Expressiveness**, musical, 4, 558-76; 5, 42-73; 9, 63-9
- Extension**, of arm, 14, 625
- Extirpation**, experiments with, 5, 541-8
- Extrovert**, 29, 163
- Eye**, 5, 20, 25, 35
 - Adjustment for clear seeing, age effect, 30, 47, 59; diurnal variations, 30, 44, 60; lag in, 30, 41, 51-61; speed, 30, 40-61
 - Appendages, biological significance, 28, 486
 - Aviation and functions of, 30, 40-61
 - Chart of human, 1, 196
 - Children's play with, 9, 357 ff.
 - Chromatic aberration in, demonstrated, 1, 549
 - Compound, of arthropod, 3, 189
 - Epilepsy, 2, 517 f.; pupillary changes, 1, 203
 - Fear of, 8, 210 ff.
 - Feeble-minded, 2, 344
 - Fovea, cones, 4, 483 f.; 6, 293
 - Mechanism of, 4, 474-90

Eye (*continued*)

- Motor apparatus of, 18, 526 f.
- oculo-motor nerve, of cat, 3, 94
- upper nucleus, 3, 93
- Muscles, control of, 2, 675; progressive paralysis of, 1, 696
- Nervous diseases and, 2, 151
- Ocular tests on children, 4, 595 f.
- Pineal gland and, 2, 310-3
- Refraction of, and epilepsy, 2, 517 f.
- Retina, cones, 4, 483 f.; 5, 36; lag in response to light, 30, 41 f., 58
- Socrates' prominent, 9, 358
- Thalamus, optic, 1, 330; connection with cortex, 1, 215 f.
- See also Fovea; Iris; Macula lutea; Pupil; Retina
- Eye-movement**, 2, 157 f.; 4, 488 ff.; 5, 99; 7, 279; 16, 199 ff.
- Adaptation and, 19, 60-3
- Angular velocity of, 11, 291 ff.; 12, 292, 400
- Control of, 19, 127; 27, 534 f.; voluntary, 19, 91-8, 127
- Extent, 30, 247; suggestion's influence on, 19, 505
- Fluctuation of attention and, 17, 83-119; 27, 476 f.; 30, 241-52; photographic record during, 30, 243-52; types of, 30, 246 f., 251
- Fluctuation of negative after-image and, 19, 65-129; of stimuli and, 24, 401
- History and present status of, 19, 271
- Image-type and variations of, 21, 445 f.; 27, 463, 471 ff., 490 f.
- Law of, 19, 107
- Memory-image and, 21, 445 f.
- Reading, 9, 583-6; 11, 285-302; 12, 292-312; 23, 4; speed of movement during, 11, 291 ff.; 12, 292; pauses, 11, 293 ff.; 12, 292
- Recording apparatus, 11, 286 ff. methods, 9, 572 ff., 583-6; 'spark' record illustrated, 11, 291
- Spatial perception and, 5, 99 f.
- 'Streaming' phenomenon and, 29, 114-29
- Visual contrast due to, 27, 332 ff.
- Visual image and, 27, 462 f., 471 ff., 490 f.
- Eye-strain**, effect on health, 2, 673

F

- Facial nerves**, 1, 330; cortical center for, 1, 695
- Facial-vision**, 5, 344-50; Dresslar on, 15, 383-90

- Facilitation** of attention, by dis-tractors, 9, 336, 344; by music, 9, 332-45; of reaction time (sensory), 29, 129-143
- Factors**, secondary, 14, 564
- Faculties**:
 Intellectual and moral, of normal and abnormal, 3, 239
 Mental, Bacon on, 2, 69; Eldridge-Green on, 2, 180; Hamilton on, 2, 240; Nemesius on, 2, 63
- Fairy tales**, *see* Myths
- Faith**, in man, 19, 575; religious, an aspect of conversion, 7, 337-49; science, society, morals and religion, 26, 470
- Faith cures**, 9, 492 ff.; *see also* Psychotherapy
- Fall-apparatus**, *see* Apparatus; experiment, Hering's, 4, 470 ff.
- Fallacies**, affective reaction to, 21, 157-61
- False memories**, 10, 241 f.
- Familiarity**, consciousness of, a relational experience, 20, 277; disappearance of, 18, 183-6; feeling of, 20, 332; 22, 50, 60 ff.; 27, 341, 353; related to time-perception, 15, 9, 13; recognition-time and, 10, 287 ff.; *see also* Feeling
- Family**, Chilkat, 29, 71; origin of, 10, 153; primitive, 6, 460; resemblances and types, 10, 154 f.
- Famine**, 18, 2
- Fancy**, Bacon on, 2, 69; child's, primitive and civilized, 14, 67
- Fantasy**, ideas, 3, 137; thought and, 27, 440
- Fasting**, puberty and, 6, 68 f.
- Father-daughter complex**, 21, 107
- Fatigue**, 23, 481
 Affective judgments and, 22, 112 ff.; sensitiveness to color and, 26, 291 f.
 Alcohol and drugs affect, 19, 436
 Alternating intervals, 19, 391
 Antitoxin for, 19, 387 ff., 394
 Association reaction and, 27, 121, 130 f., 136; interference of, and, 6, 273
 Central, 5, 200
 Children, tests for, 14, 503
 Comparison of time-intervals and, 18, 180
 Crying and, 17, 162 f.
 Curves, 14, 522; ergograph, 15, 587
 Day-dreaming and, 15, 468
 Education and, 19, 352
- Fatigue** (*continued*)
 Effect of, local, 5, 144-50; on cutaneous quality, 19, 297, 337; on judgment, 5, 378 f.; tested, 5, 363 f.
 Epilepsy, 19, 352
 Experiments on, 14, 500 ff.
 Fechner's colors and, 13, 500 f.
 Index to, 19, 467; 24, 44
 Insanity, 17, 39, 60; manic-depressive, 20, 47
 Joint, 5, 144-50
 Kraepelin's curves, 15, 587
 Local effect of, 5, 144-50
 Mating-behavior, 1, 323
 Measurement, apparatus for, 30, 425 f.
 Measures of, 24, 36; attention waves, 14, 541; neglected measure, 19, 345-58; tapping-test, 19, 345-58, 437-83
 Mental, 2, 340 f.; 13, 586; 23, 156, 342; knee-jerk affected, 1, 45-8; measured by aesthesiometer, 20, 463
 Mental activity and, 6, 264 ff.; 468 f.; 632 f.; motor automatisms in, 7, 502 ff.
 Mental efficiency and, 27, 260
 Movement, 19, 474-81; involuntary, 5, 229; voluntary, 5, 134, 176
 Muscular, 3, 24-42, 377 f., 379 ff.; 5, 273 ff.; 14, 539; curves of, 5, 276; knee-jerk and, 1, 44 f.
 Nerve-cells, 6, 637 f., 639
 Nerve-fiber, 1, 358
 Nervous arc, human, 24, 1
 Observational error, 5, 287
 Peripheral, 19, 305
 Physical, 14, 547
 Physiology of, 19, 385
 Practice and, 2, 649; 19, 346, 475-80; 20, 449-55
 Prevention of, 27, 441
 Problem of, 14, 538; 19, 385-98
 Products of, 22, 126
 Protozoa show, 6, 532 f.
 Reaction of, 14, 497
 Recovery from, 3, 530 ff.
 Retinal, by homogeneous light, 3, 574
 Right-hand and left-hand, 19, 469-74
 'Safety valve,' 5, 82
 School children and, 6, 280 f.; 7, 441
 Sensations of, 5, 273, 275; 20, 356, 387, 399
 Sex differences, 19, 352; 20, 356
 Sleep and, 12, 170; 19, 394

- Fatigue** (*continued*)
 Spinal ganglia stimulation and, 3, 530-42
 Stimuli of, 20, 416
 Successive intervals, effect on, 19, 447-51
 Synaesthesia and, 5, 31, 38
 Tapping-test and, 20, 38-59; practice and, 20, 449-55
 Tests for, ergographic, 14, 497, 504; four forms of, 14, 499; mental multiplication, 19, 374 ff.; present accuracy of, 14, 496, 508
 Traube-Hering waves and, 15, 502
 Two-point limen and, 29, 415
 Various functions and, 24, 35
 Vision and, 6, 296
 Visual theory of, 19, 62, 66, 76
 Weight discrimination and, 2, 651
 Work and, 19, 386
See also Weber's law; Work
- Fear**, 2, 176 ff.; 5, 130; 7, 186 ff.; 8, 147-249; 9, 461 f.
 Abnormal phenomena and, 25, 162-200
 Alimentary tract, 25, 382-92
 Anger and, in sexual selection, 7, 170 f.
 Animals, 8, 205-10
 Cats (ailuriophobia), 25, 353-8
 Celestial objects, 8, 173-9
 Child's, 6, 545 ff.; 21, 257, 265
 Closeness (claustraphobia), 8, 162-5; 9, 364; 25, 333-9
 Control of, by man, 14, 69
 Conventionality and, 26, 620
 Darkness, 8, 183-9
 Death (thanatophobia), 8, 221-4; immortality and the fear of, 26, 550-613
 Disease and, 224-7
 Dreams of, 8, 189-93
 Education and, 25, 175
 End-of-the-world, 8, 229 f.
 Eyes (ommaphobia), 8, 210 ff.
 Falling (gravity fears), 8, 154-60; 9, 462
 Feathers, 8, 215 f.
 Fighting and fear, 25, 153
 Fire (pyrophobia), 8, 179-83
 Fur (doraphobia), 8, 213 ff.
 Genetic study of, 25, 149-200; synthetic genetic study, 25, 321-92
 Ghosts, 8, 230 ff.; 26, 569-79
 Habit and, 25, 150, 183
 Harm, bodily, 25, 339-47
 Heredity and, 25, 169, 351 f.
 High places (acrophobia), 2, 176; 8, 154-60
- Fear** (*continued*)
 Hope and, 25, 154
 Hunger, 25, 382-92
 Laughter stimulated by, 9, 18 f.
 Loss of orientation, 8, 160 ff.; horizontal, 25, 330 f.
 Morbid, 8, 232-5; insanity of doubt not indicated by, 3, 20; list of, 25, 171 f.
 Mysophobia, 3, 1-23
 Night, 21, 215, 253, 263; 25, 189-200
 New faces (ereuthophobia), 25, 368-82
 Open spaces (agoraphobia), 8, 164; confessions, 30, 295-9
 Pathophobias, *see* Abnormal
 'Pavor nocturnus,' 25, 189-200
 Persons, 8, 216-19
 Physiology and, 25, 153 ff.
 Raccoon's, 18, 454 f.
 Repression of, 8, 236 ff.
 Sex anxieties and, 25, 167
 Shock (hormephobia), 8, 193-201; 25, 161 ff., 172-89
 Sin, 8, 228 f.
 Sleep and, 25, 191 f.
 Snakes (ophidiophobia), 8, 209; 9, 461 f.; 25, 347-56
 Solitude, 8, 219 f.
 Stimulus for laughter, 9, 18 f.
 Stimuli to arouse, 28, 166, 391 ff.
 Teeth (odontophobia), 8, 212 f.
 Tests of, 28, 390, 393
 Thunder, 8, 201-4; 9, 462; rational, 9, 418
 Timidity, 9, 416; 12, 604
 Water (hydrophobia), 8, 166-71
 Wind (anemophobia), 8, 171-3
 Words for fear, 10, 302-5
- Feathers**, *see* Fear
- Fechner**, G. T., Wundt on, 12, 604; *see also* Biographies
 Colors, 5, 401; investigation of, 13, 488-525
 Law, 1, 297, 533 f.; 20, 88-92; Sanford's weight experiments and, 28, 585; *see also* Weber's Law
 Paradoxical experiment, 5, 412; paradoxon, experiments on, 7, 9-23; remarks on, 7, 23 ff.
- Fecundity**, French, 8, 136
- Feebleminded**, *see* Abnormal
- Feeling**, 19, 144, 268; 23, 155, 163, 593
 Aesthetic, 14, 481-95
 Annoyance, 5, 256
 Association and, 17, 217, 366
 Association-time and, 29, 187
 Attention and, 17, 208, 211 f.; 19, 569
 'Bewusstseinslage' and, 17, 367

Feeling (*continued*)

- Biological evolution of, 7, 295
 Effort, 13, 587
 Emotion, 15, 570
 Expressive method, bibliography on, 17, 559
 Forms of, fundamental, 19, 269
 Imagination, 19, 251
 Interest a complex state of, 19, 14
 Investigated, by the expressive method, 17, 522-84; Martius and Minnemann, 17, 427 f.
 Investigating methods, 17, 213 f.
 Külpe's treatment defective, 7, 147 f.
 Localization of, 29, 420
 Memory and, 2, 259 ff.
 Nature of, discussed, 17, 146
 Of annoyance, 5, 256
 awe, 5, 256
 being-stared-at, 24, 570
 content, 22, 51, 55, 57 ff.
 concept or meaning, 22, 50 f., 60 ff.
 direction, 22, 51, 57
 estrangement, 9, 95 f.
 excitement and depression, 27, 157, 164 f., 166, 168 ff.
 expectation, 20, 534
 familiarity, 22, 50, 60 ff.; nature of, 27, 341, 353
 inadequacy, 20, 55, 57, 58
 perplexity, 5, 256
 pleasantness and unpleasantness, 27, 157, 164, 166 f., 169 f.; 28, 155 f.
 recognition, 22, 60 ff.
 relation, 20, 389; 30, 1-26
 relaxation, 20, 437
 revulsion, 20, 437
 surprise, 5, 256
 sympathy, 19, 193
 tension and relaxation, 22, 54 f.; 27, 158, 165 f., 168 ff.
 uncertainty and certainty, 22, 55
 unreality, 19, 435
 Organic changes and, 17, 522-84; sensations and, 27, 164 ff.
 Paired comparison method and, 27, 157 ff.
 Physiological accompaniments of, 16, 251
 Qualitative differences of, 29, 424
 Rhythm and, 12, 586-9
 Sensation and, 7, 147 f.; 17, 206 ff., 220 ff.
 Sensory components of, 29, 428 f.
 Sphygmograph results on, 27, 547-55, 578-84
 Stumpf's psychology of, 28, 263
 Temperament and, literature on, 7, 295-8

Feeling (*continued*)

- Theory of, 14, 13-20; tridimensional (Wundt), 17, 206-26, 358-93; 19, 213-31; 20, 160, 270-4; 23, 281 f.; 28, 134; tested by expressive method, 17, 522-84; tested by impressive method, 27, 157-70
 Tickle and, 19, 342 f.
 Tone of sensations, 17, 209
 Toward water, *see* Hydropsychoses
 Traube-Hering waves and, 15, 504-11
 Will and, 17, 218
See also Affection; Affective: State; Emotion; Feelings
Feelings, 20, 101-5, 159, 271
 Education of, 10, 319
 Man's, their nature and interpretation, 26, 469
 Mixed, 17, 393; 20, 184; analysis of, 29, 258; conditions favoring report, 29, 262; distribution of, 29, 244; experimental study of, 29, 237-71; experiences resembling, 29, 265; localized feelings and, 29, 422; meaning and, 29, 261; quantitative results, 29, 243
 Pleasantness and unpleasantness, nervous correlate of, 20, 148
 Religious, of adolescence, 9, 83-8; of adults, 9, 113-16; of conversion, 9, 121 f.; variation with age, 9, 115 f.
 Relation, experimental study, 30, 1-26; historical discussion, 30, 17-26
 Sensations related to, 7, 437
 War-produced, 30, 218
 Fertilization of egg, 3, 100
Festschrift, Wundt's, 13, 575; Hall's, 14, 265-590
Fetishism, 20, 117; African, 6, 641; love and, 3, 251 f.; symbolism and, 7, 188 ff.; *see also* Anthropology
Fiction, 22, 452 f.; psychological, 23, 164
Fighting and fear, 25, 153
Figurative consciousness, 30, 103
Figures of speech, alliterations, interference of, 5, 367; psychologic background of, 30, 113 f.
Final and efficient causes, 27, 245, 248 f.
Fine arts, 6, 44 ff.; senses used in, 23, 66 f.
Finger movements, 4, 220; 14, 511, 524; plethysmograph, *see* Apparatus
Fire, fear of, *see* Fear; open, effect of, 14, 71
First cause, *see* Philosophy
Fish, representing the soul, 15, 136; *see also* Soul; Animals: Fish

- Fixation**, image of imagination and, 21, 444 f.; negative after-image fluctuations and, 19, 78, 87-90; not steady with memory-image, 21, 445 f.; practice in, 19, 81; sex-impulses, early, 21, 211
- Fixed idea**, 1, 222-70; 3, 1-5; 10, 310; imperative or fixed idea, 3, 1-5; insanity of doubt, 3, 1-23; *see also* **Abnormal**: Insanity; visualization, new forms of, 13, 355-63
- Flagellants**, 18, 22-5, 27
- Flashes**, *see* Clicks
- Flexor**, 14, 526; profundus, right index finger, 14, 524; isolation of, 14, 511; sublimis, 14, 525
- Flicker**, phenomenon, 1, 312 f.; photometer, 12, 140, *see also* Apparatus
- Flight of color**, 19, 61; streaming phenomenon and, 19, 120
- Flower lore**, 1, 730 f.; *see also* Folk-lore; Myths
- Fluctuation**, affective value of color, 22, 579 ff.; after-image, 17, 82 f.; negative, 19, 65-129; attention, *see* Attention: Fluctuation; visual stimuli, 24, 378
- Folk-lore**, 1, 194, 729 ff., 739
- American Indian, Blackfoot tales, 30, 240
- Cradle tales, 19, 146
- Folk-thought about child and childhood, 7, 442
- Folkways, 18, 376
- Hindu cradle tales, 19, 146
- Interpretation of, 2, 132
- Jewish, 12, 143
- Moon in childhood and in, 13, 294-318
- Negro, Bahaman, 2, 519-42
- Psychoanalytic interpretation of, 21, 104-10
- Symbolism of, 15, 454
- Themes of, 15, 454
- See also* Myths
- Folk-psychology**, 1, 193 f.; 22, 473; 23, 592; elements of, 24, 449
- Folk-songs**, 6, 287 f.
- Folk-thought**, origin of, 3, 272
- Food**, knee-jerk and, 1, 41-4; lack of, 14, 537; reaction to, by the English sparrow, 15, 316 f.; selection by protozoan, 10, 506 f.
- Football**, fascination of, 14, 369; motive of, 14, 368; psychology of, 14, 368-81; recapitulation theory and, 14, 373; theory of, 14, 378, 381
- Forces**, cosmic, 14, 7
- Fore-conscious processes** defined, 21, 303
- Forensic psychology**, study of, 26, 619
- Forgetting**, 22, 479 ff.
- Caused by repression of desires, 21, 193, 305, 326
- Curve of, 24, 8
- Degrees of, 21, 192
- Disagreeable experiences and, 27, 469
- Equation of, 24, 23
- Social significance of, 22, 522 ff.
- Types of, 22, 481 ff.
- See also* Memory; Recall; Retention
- Fork**, tuning, *see* Apparatus
- Form**, 14, 491
- Attention determined by, 26, 150 f.
- Auditory, defined, 12, 361; illustrated, 12, 361 ff., 382 ff.; *see also* Synaesthesia
- Child's observation of, 20, 326-9, 340, 351 f.
- Development of, 12, 191 f.
- Elements of, 13, 274 f.
- Imaginal, 5, 550; 7, 94; 20, 447
- alphabet, 5, 440
- century, 5, 440; 7, 94
- day, 5, 270, 440; 7, 94; 13, 360 f.; 20, 447;
- hour, 5, 440
- month, 5, 270, 440; 7, 94; 11, 403; 13, 361; 20, 447
- number, 5, 270, 440-52, 461-4, 550; 7, 94; 8, 506-27; 12, 393; 13, 355-60; 18, 74; *see also* Number: Form
- see also* Personification; Synaesthesia
- Judgment of area and, 9, 178-82
- Painting and sculpture use of, 20, 155
- Perception, below the two-point limen, 27, 569 ff.
- cutaneous, 10, 143-7; capacity for, 10, 145; relative ease of, 10, 146; subliminal, 10, 147
- visual, simple, liminally and subliminally presented, 12, 185-92
- Second characters, or the language of, 25, 458
- Visual, 12, 361 f.; perception of liminally and subliminally presented, 12, 185-92
- Formal discipline**, 28, 310; educational values and, 21, 340; *see also* Transfer
- Form-color**, tactual sensations and, 19, 313, 315
- Form-quality**, 13, 269-93; *see also* Form
- Form-test**, English sparrow, 15, 336 f.
- Forward-alphabet test**, 27, 238

Foster-child fantasy, 12, 266
 Fourth dimension, 10, 323
 Fovea centralis, 4, 483; 6, 293; comparative anatomy of, 8, 129; night blindness of, 6, 630; theory of, 14, 159 f.; vertebrate, 8, 129
 Fractionation of data for auditory distraction, 29, 134 ff.; two-point limen, 28, 588
 France, spiritual classes of 1918, 29, 453
 Free-association, practice effects in, 22, 1 ff.; psychoanalytic aspect, 30, 260-73; repetition in, 22, 7; *see also* Association
 Freedom, belief in, 29, 383; sense of, in humor, 18, 433-8; *see also* Will: Freedom of
 Free-thinkers, L. G. Janes memorial papers, 13, 323
 Freethought, 13, 453
 Free will, *see* Will: Freedom of
 French, origins of American transcendentalism, 29, 50-65; people, fecundity of, 8, 136; psychology of, 9, 598 f.; philosophy since 1918, intellectualism *vs.* intuitionism, 29, 393; science, 28, 610; thought in 1914, 27, 297-314
 Frequency curve, 14, 652 ff.
 Freshmen (Vassar), study of, 28, 151; further study of, 29, 327; 30, 310
 Freudian complexes, *see* Complexes
 Freudianism, *see* Psychoanalysis
 Friendship, 7, 297
 Fright, effect on metabolism, 1, 362; *see also* Fear
 Froebel, pioneer in modern psychology, 26, 470
 Frog, *see* Animals
 Froschammer, biography and pedagogy of, 8, 424
 Fuegians, brain of, 1, 329
 Function:
 Biological term, 27, 245-50
 Process and, 23, 497 f.
 Psychological term, 27, 246 f.
 derivation and history of, 26, 473-84
 Psychology of structure and, 10, 331 f.
 Use of term by J. R. Angell, 24, 104
 J. M. Baldwin, 24, 107
 M. W. Calkins, 24, 108
 K. Dunlap, 24, 110
 English textbooks, 24, 99
 W. James, 24, 111
 C. H. Judd, 24, 111
 G. T. Ladd, 24, 113
 C. S. Myers, 24, 115

Function: Use of term, (*continued*)
 W. B. Pillsbury, 24, 116
 G. F. Stout, 24, 119
 E. L. Thorndike, 24, 119
 R. S. Woodworth, 24, 113
 R. M. Yerkes, 24, 121
 Functional and structuralist, 25, 285
 Functional or structural; individual psychology, 10, 334-46; psychology, Italian, in 1904, 15, 516 ff.
 Functioning, habitual, 14, 127; non-habitual, 14, 128-33
 Functions, trophic, 14, 3; *see also* Mental functions
 Fundamental tone, 5, 110
 Funded contents ('fundirte Inhalte'), 13, 279 f.
 Funerals, ancient Egyptian, 10, 314; cathartic effect of, 8, 114-17
 Fur, fears of (dorphobia), 8, 213 ff.
 Fusion, 5, 106
 Affective value of, 17, 363-80
 Critique of, 14, 324
 Ideas of, Herbart, 14, 325
 Külpe, 14, 331
 Lipps, 14, 327
 Stumpf, 14, 330
 Volkman, 14, 326
 Wundt, 14, 331-6
 Neural, 20, 94-101
 Optical, in composite colors, 27, 274, 276

G

Galton, Francis, childhood's intelligence quotient, 28, 209; dynamometer and whistle, *see* Apparatus; memories of the life of, 20, 576 ff.
 Galvanic phenomena, 2, 652 f.
 Gambling, American Indians and, 13, 373 f.; history of, 13, 364-76; impulse, 13, 364-407; noted men addicted to, 13, 372 f.; psychology of, 13, 364-407
 Games, Korean, 8, 136; sex-love in, 13, 339-42; *see also* Chess; Football; Play
 Ganglion:
 Cells, degeneration of, 2, 378
 effect of CO₂ on, 2, 379; fatigue, 2, 634; hunger, 2, 378; stimulation, 1, 480-6; 2, 376-401
 sympathetic, 2, 634
 of new-born animals, 1, 699
 peripheral, 1, 494 f.
 Cervical, 14, 3; structure and function, 1, 329
 Gangs, boys', 9, 439-42

- Gasometer**, *see* **Apparatus**: Compressed air
- Gates**, Elmer E., work and laboratory of, 10, 163 f.
- Gauss'** formula, 5, 288
- Genesis**, of memory-image, 11, 18-25; number-forms, 8, 506-27
- Genetic**:
 Basis of appeal in literature, 20, 594
 Development of nervous system, 28, 53 f.
 Mental development, 13, 426-49
 Method in philosophy, 6, 309 f.
 Psychology, 21, 177 ff.; evolution concept in, 10, 6; fear in, 25, 149-200; physical growth of children, *see* **Anthropometric measurements**; task of, 25, 285; *see also* **Child**; **Comparative psychology**; **Geneticism**
 Rhythm, 12, 492-589
 Study of gambling, 13, 364-407
- Geneticism**, 23, 420 ff.; 30, 215; methods and scope of, 20, 458
- Geneva**, psychological laboratories in, 8, 139
- Genius**, 5, 92 f.
 Insanity and, 1, 340, 541 f.; 27, 374 ff., 379 ff., 387 ff., 397 f., 401 ff.
 Is genius a neurosis? 5, 92 f.
 Man of (Lombroso on), 3, 222 f.
 Precocity and, 2, 193; 16, 145 ff.
 Psychoanalytic studies of, 21, 72; 27, 363-416
 Types of, 28, 609
 Woman, 6, 646; French woman, 29, 451
See also **Prodigy**
- Geology**, evolution and, 19, 155 f., 189 f., 202, 204, 206; time scales of, and the theory of the earth, 19, 153 f., 181 f.
- Geography**, relation to arts and inventions, 6, 642
- Geometry**, abilities requisite for, studied, 29, 235
- Geotaxy**, psychic, 25, 321-30
- Geotropism**, bibliography on, 26, 424-7; in animals, 26, 417-27; *see also* **Tropisms**
- German language**, nouns of, 19, 574; psychological articles in, 28, 144, 148; universities, psychology at, 4, 585-94
- Germany**, 28, 159; American transcendentalism influenced by, 29, 54
- '**Gestalt**,' *see* **Form**; **Form-quality**
- '**Gestaltqualität**,' 13, 268-93; objections to term (Meinong), 13, 279; *see also* **Mental**: Arrangement
- Gestation**, experiences during, diary, 16, 143
- Gesture**, Arabic, of affirmation, 27, 320-3; Arabic, of negation, 27, 320 ff.; in conjuring, 11, 478 f.; language and, 27, 320-3
- Gheel**, treatment of insanity in, 1, 200
- Ghosts**, belief in the soul and, 15, 125 f., 143 ff.; fears of, 8, 230 ff.; 26, 569-79; origin of, 26, 569-79; projection of visual image and, 26, 251-7; visual, cutaneous, and kinaesthetic, 28, 349
- Gill slits**, organs developed from, 10, 175 f.
- Girl**, *see* **Child**
- Glands**, functional tests of, 29, 352 f.
- Glans penis**, sensitivity of, 5, 106
- Glossolalia**, psychoanalysis and, 23, 135 ff.
- Glossosynthesis**, psychoanalysis and, 23, 138 f.
- Gluttony**, defective instinct, 11, 197-200
- God**:
 Belief in, 29, 383
 Existence of, 23, 384 ff.; *see also* **Philosophy**
 Idea of, 20, 113, 239, 242 f., 255; Kant's, 23, 384 ff., 394 ff.; modern, 13, 324; origin of, 20, 108 f.
 Intermediary between mind and matter, 2, 67
 Will of, 14, 399
See also **Religion**
- Goethe's** ancestry, 19, 429; theory of color, 5, 278
- Göttingen**, laboratory at, 5, 282 ff.
- Golden Bough**, 23, 341; section, 6, 28
- Golgi method**, 3, 95
- Goll's** column, destruction of, 3, 553 f.
- Graphology**, 6, 648 f.; scientific bases of, 13, 453 f.
- Graphophone**, auditory memory studied by, 20, 195
- Grasping movements**, infant's, 12, 9 f.; reaching and handling, 26, 525-39
- Grave's disease**, psychoses associated with, 21, 347
- Gray**, discrimination of (Moyer), 8, 53 f.
- Greeks**, psychology among, 4, 177-97; theory of disease, 20, 226, 231 f., 238
- Greek universities**, ancient, 23, 155 f.; verbs, 19, 574
- Group movements**, 28, 372, 515 ff.; self *vs.* personal self, 27, 183 ff.
- Growth**:
 Laws of, 13, 426 f.

Growth (*continued*)

- Mental, explanation of, 14, 338;
 physical, correlated with, 9, 254
 Physical, children's, bibliography
 (annotated), 9, 315-26; daily,
 weekly, seasonal rhythms of, 9,
 269-72; hereditary determination
 of, 9, 268; periods of, 9, 254 f.,
 257; *see also* Anthropometrical
 measurements; Child
 Physical and mental correlated, 9,
 254; different parts of the body,
 9, 302-6; persistence of, 9, 306
 Guessing, 19, 243 ff.; 14, 647; numbers,
 14, 647-65; psychology of, 14, 647;
 theory of, 14, 648; *see also* Suggestion
 Guilt, sense of, *see* Ethics
 Gustation, Gustatory, *see* Taste
 Gypsies, traits of, 10, 51 f., *see also*
 Migration

H

- Habit, 14, 121, 139
 Association and, 2, 580
 Chicks, 23, 337 f.
 Defined, 28, 510
 Development of, 14, 145
 Dog, 25, 315
 Elimination of, 20, 114
 Fear and, 25, 150, 183
 Forming, age and, 27, 291; in the
 dog, 25, 315
 Fish, 13, 408-25
 Instinct and, neural correlates, 30,
 377-405
 Instinct *vs.*, 10, 279; 28, 511 f.
 Intelligence *vs.*, 10, 279
 Levels of, 14, 142
 Literature, 14, 122
 Memory and, 2, 225
 Mental, 14, 372; rhythm and, 6,
 266 f.; type and interference of,
 20, 182 ff.
 Morphine, 2, 501
 Opium, overcoming of, 7, 294
 Posture and, in the insane, 3, 448 f.
 Practice in addition, 21, 483-6
 Rhythm of mental activity and, 6,
 266 f.
 Specific types, 14, 139
 Theory of, 6, 53 ff.
 Habitat, man's relation to, 9, 243
 Habitual actions, subconsciousness
 and, 22, 163
 Hair, growth-direction, cause of, 15,
 455; mental activity affects, 7, 440;
 offering, 6, 66 ff.
 Hall, G. S., bibliography of (up to
 1903), 14, 681-94; memorial volume
 to, 14, 265-694; reminiscence of,
 28, 297

- Hallucinations, 2, 341, 668; 5, 33, 38,
 81; 6, 143; 20, 55, 153
 Auditory, 1, 202, 316, 738; 2, 505;
 17, 127-33; bibliography on, 17,
 133; electric stimulus and, 1, 316;
 paranoia, 1, 738
 Census of, 3, 292
 Drowsiness and, 22, 99 ff.
 Entoptic vision and, 1, 312
 Experimental production of, 6, 628 f.
 Hemianopic, 15, 586 f.
 Hysterical, 1, 737 f.
 Illusions and, 13, 583
 Insane, peripheral factors in, 17, 130
 Negative, 1, 721 f.; 2, 323 f., 663,
 671 f.; inhibitory, 17, 134 ff.
 Perception resembles, 17, 134, 136
 Pseudo-hallucinations, 1, 363 f.
 Questionary on, 3, 292
 Senile delusion with symbolistic
 writing shows, 16, 519 ff.
 Senses in, 23, 65 f.
 Suggestion producing, 11, 491-4
 Telepathic, 20, 153
 Theory of (Stoddard's) criticised,
 17, 134 ff.
 Unilateral, 2, 505
 Visual, 1, 737 f.; 2, 504 f.; and
 scotomata, 15, 586 f.
See also Illusion: Deceptive
 Hallucinosis, 20, 55
 Hamlet, psychoanalysis of, 21, 72-113;
 23, 594
 Hand, circulation of, effect of stimuli
 on, 7, 576; movements, significance
 in mental evolution, 16, 232 ff.;
 psychology of, 21, 171 f.
 Handling, grasping, reaching, 26, 525-
 39
 Handwriting, 5, 420 ff.; abnormal
 17, 399 f.; accuracy in, 17, 394-404;
 character in, 13, 453; feeble-minded,
 17, 399 f.; insane, 17, 399 f.; intelli-
 gence and (bibliography), 17, 404 f.;
 school success and, 17, 394-404;
 sex-differences, 17, 396-400, 402
 Hans, der Kluge (horse), *see* Clever
 Hans
 Happiness, 23, 154 f.; philosophy of,
 21, 346; pursuit of, 6, 281 f.
 Harmonium, Indian (Hindu), 25, 295
 Harmony, 5, 49, 65; vowels, 5, 110
 Harvard University, psychology at,
 3, 278
 Harvey, circulation of blood, 15, 527
 Hashish, effect of, 1, 361 f.; *see also*
 Drugs
 Hazing, 9, 23
 Head, vertebrate, origin, 8, 126;
 vibrations, 2, 484 f.

- Healing**, building and healing, 25, 313; currents from the battery of life, 26, 619; miracles, 20, 218, 268; New Testament, 20, 243; Old Testament, 20, 241; primitive, 20, 227-37; *see also* Miracles; Psychiatry; Psychotherapy
- Health**, celebrated literary men and their, 14, 117; disease and, 28, 309; school life effects on nutritive processes, 26, 616
- Hearing**, *see* Audition; *see also* Acoustics; Deafness; Noise; Pitch; Sensation; Sound; Tone
- Heart**, diseases of, 19, 575; voluntary control of, 2, 651 f.
- Heat**, centers, 2, 636; cerebral center, 1, 322; nerves produce, 14, 603; pain, 20, 438-41; psychology of, 29, 442-8; radiation by human body, 1, 320 f.; regulation, 2, 672; *see also* Temperature
- Hebephrenia**, *see* Abnormal
- Hebrews**, defence of the Jews, 6, 282; disease, idea of cause of, 20, 239; miracles, 20, 239-46; Talmud, 3, 246
- Hegelism**, 5, 472-95
- Heliotropism**, 5, 128 ff.; *see also* Tropisms
- Hemianopsia**, 4, 297 f.; 6, 285 f.; alexia and, 2, 175 f.
- Hemianaesthesia**, voluntary, movements during, 3, 135 f.
- Hemiplegia**, 27, 76
- Hemorrhage**, produced by suggestion, 4, 486; *see also* Stigmata
- Heraclitus** (Herakleitos) of Ephesus, 1, 557-690; 5, 334; idea of soul, 1, 660 f.; 15, 155 f.; Lassalle on, 1, 563-70; notes on, 1, 674-90; Patrick on, 1, 615-43; Pfeleiderer on, 1, 598-614; Schuster on, 1, 570-82; Teichmüller on, 1, 582-98; translations from, 1, 643-90
- Herd instincts**, 27, 578; *see also* Crowd
- Heredity**, 3, 104; 5, 36, 111; 8, 135, 418, 419, 421; 14, 118; 23, 160 479
- Absolute pitch and, 18, 195-205
- American men of science and, 21, 348
- Birthplaces of leading Americans and, 21, 348
- 'Bleeders' and, 28, 155
- Christian problems and, 7, 443
- Collateral, correlations, 15, 97 f.
- Control of, 14, 261
- Development and, 10, 598
- Environment and, in man, 10, 154
- Eugenics and, 19, 143
- Heredity** (*continued*)
- Evolution and, 10, 598
- Evolution and physiology of, 19, 435
- Facts of, 3, 105
- Fear and, 25, 169, 351 f.
- Gemmules and, 3, 101 f.
- Germ plasm and, 19, 168, 171 ff.
- Goethe's ancestry, 19, 429
- Individual, 10, 322
- Inheritance of acquired characteristics, Pearson on, 28, 214
- Learning and, 22, 177
- Mathematical prodigies and, 18, 96, 141-3
- Measurement of twins, 19, 142
- Mendel Journal, *see* Periodicals
- Mendel's principles, 21, 329
- Modes of transmission, 22, 320
- Nervous diseases and, 10, 155
- Nervousness and, 10, 311
- New facts of, 22, 320
- Nucleus and, 3, 103
- Plants and, 19, 188
- Prenatal culture and, 20, 459
- Principles of, 22, 319
- Progress and, 12, 275
- Psychic, 27, 577
- Reflexes, adaptive and, 19, 323
- Regression to type in, 1, 173-9
- Royalty and, 18, 146-7
- Sex and, 3, 97-114, 241 ff.
- Size of children determined by, 9, 268
- Social progress and, 15, 113 f.
- Social responsibility and, 21, 337
- Stuttering and, 25, 247
- Variation and sexual selection, 3, 102
- See also* Biology; Inheritance
- Hering color-blindness apparatus**, *see* Apparatus
- grey papers, 25, 297
- indirect vision color-mixer, 25, 298
- Heroes**, myths of the birth of, 21, 168
- Hibbert Journal**, *see* Periodicals
- Hierarchy**, of intelligences, 15, 274-77
- Hieroglyphics**, Mayan, primer of, 6, 644 f.; Micmac, 17, 70
- Higher processes**, Hobbes on, 11, 51-4
- Hindu cradle tales**, 19, 146; mind training, 28, 460
- Hipp chronoscope**, *see* Apparatus
- Hippocratic school**, 3, 70
- Historical interpretation**, eight schools of, 30, 341-45
- History**, derivation and, of the word 'function' as a systematic term, 26, 473-84; intellectual, development of, 30, 352-8; of interpretative point of

History (*continued*)

view, 30, 340-5; of James-Lange theory, 25, 427-47; of psychology, among the Greeks, 4, 177-97, in the United States, 23, 517 ff.; of reflex action, 15, 526-88; of scientists (American), 14, 587; psychological interpretation of, 30, 345-374; psychology and, cooperation of, 30, 337-376; rise and development of, 30, 337-340; scientific method in, 30, 339, 345-76; socio-psychological interpretation of, 30, 348-52

Hobbes, Bacon's influence on, 11, 59 ff.; dependence upon other thinkers, 11, 62-6; psychology of, 4, 231-3; 11, 49-66

Holmgren's worsteds, *see* Apparatus

Holy water, *see* Water: Sacred

Home, love of, 10, 65-81; running away from, 10, 57-63

Homeopathy, 3, 431

Homesickness, *see* Nostalgia

Homicidal mania, as retrogression, 11, 212

Homicides, moral insanity and, 15, 586

Homosexuality, *see* Abnormal: Sexual perversion

Honesty, 27, 292 f.

Hope, 27, 154; fear and, 25, 154 f.

Horizon, apparent size of objects at, 2, 657 f.; 7, 26 ff.; 13, 477-87; 18, 264 f.; subjective, motor co-ordination and, 13, 477 ff.

Horizontal orientation, fears of losing, 25, 330-3

Hormophobia, extreme dread of shock and surprise, 8, 197

Horopter, experimental determination of, 1, 99-111; Ladd-Franklin's determination of, 1, 99-108; Schoen's determination of, 1, 109-111

Horse, *see* Animals

Hospitals, bulletin, 4, 453 f.; 7, 443; 25, 142; State, research in, 15, 118

Hot, *see* Cutaneous: Sensation

Humanism, 23, 152 f.

Humanitarianism *vs.* intellectualism in literature, 27, 305 ff.

Humanity, 14, 304; immortal (Hickok), 19, 367

Human, mind, 29, 272; *see also* Mind; nature and its remaking, 29, 455; problems, biological aspect of, 24, 288; soul, *see* Philosophy; Soul

Hume, 14, 263; influence of on philosophy and theology, 14, 263; psychology of, 4, 239-43

Humor, animals as stimuli, 18, 427-428; arising from slight stimuli, 18,

Humor (*continued*)

435-6; bibliography on, 18, 440 f.; clothes as stimuli, 18, 428-9; conditions inadequate to, 18, 426-7; customs and manners as stimuli, 18, 429; functions of, 18, 438-40; language as stimulus, 18, 430-1; man as stimulus, 18, 428; nature of, 8, 138; origin of, 18, 437-8; psychology of, 18, 421-41; sense of freedom element of, 18, 433-38; stimuli to, 18, 428-32; theories of, 18, 422-26; thoughts as stimuli, 18, 431-2; types of, 18, 429; words as stimuli, 18, 429-30; *see also* Comic; Laughter; Play; Wit

Hunger, 20, 143; appetite not, 28, 446-7; control of, 28, 159; Ebbinghaus' view on, 20, 400; fears, 25, 382-92; Kröner's views on, 20, 391 (footnote), 402; seat of, 20, 431 f.; sensation of, organic, 20, 387; stimuli of, 20, 416

Hydra, *see* Animals

Hydrocephalus, case of, 3, 89

Hydrometer, *see* Apparatus

Hydrophobia, 8, 170

Hydropsychoses, 10, 169-227; basis of love of water, 10, 226; feeling toward water, earliest, 10, 222; in general, 10, 216-7; in literature, folk lore, and mythology, 10, 169

Hydrotherm, definition of, 20, 3

Hygiene, 27, 153; mental, significance of intelligence tests for, 26, 615-16; of school children, 1, 349 f.; physical and moral, 27, 577; practical, 27, 578 f.; school, 7, 441; sexual, 20, 308, 311

Hyperaemia, control of, 10, 104-5; effect of, on smell, 10, 104-5

Hyperaesthesia, 5, 22, 33, 79, 80, 93, 113

Hyperexcitability, 5, 79, 80

Hyperamnesia in dreams, 21, 301-2

Hyperosmia, three forms of, 10, 105

Hypnagogic illusion, 5, 338; images, 1, 740; 2, 580; states, in dreams, 16, 30

Hypnotical states defined, 21, 189-190

Hypnosis, 1, 495-525, 717-22

Advantages over faith cures, 10, 471-72

Among Eskimo, 1, 553

Affective character of, 6, 34

Auto-suggestion and, 21, 345

Brilliant light and, 6, 39

Brown University studies in, 4, 469 f.

Cures by, 10, 472-78

Deaf-mutes treated by, 1, 521

Hypnosis (*continued*)

Hemorrhages produced by, 4, 468
 Not essential to psychoanalysis, 21,
 192

Questionary on 'Odie' force, 2, 674 f.
See also Hypnotism; Suggestion

Hypnotic memory, 5, 265; sleep, 12,
 172 f.; suggestions among criminals,
 3, 125; state and reflexes, 7, 438;
 therapeutics, 19, 427

Hypnotism, 2, 314-325, 659-669; 5,
 263, 265; 6, 309, 476 f.; 8, 577; 14,
 116; 20, 222, 259, 261; 22, 126, 184
 Animal magnetism, 1, 501 f.; 520 ff.

Autosuggestion, 1, 520, 21, 345

Beaunis on, 1, 509

Bernheim on, 1, 505-9

Brain circulation and, 2, 319

Cause of, 1, 204

Charcot school of, 1, 505, 720

Crime and, 2, 316-7; 3, 125, 223

Deaf-mutes and, 1, 521

Emotions in, 1, 504

Experimental and therapeutic, 13,
 456

Freedom and, 2, 318

Introspection in, 2, 659-60

Legal aspects of, 1, 512 f., 522 f.,
 524, 721, 722

Magnet and, 1, 514 f.

Medicine and, 10, 323, 600

Memory and, 1, 513 f.

Methods of producing, 1, 204

Miracles and, 2, 317

Nancy school of, 1, 505 f., 719 f.

Obstetrics and, 1, 722

Pedagogy and, 2, 322-3

Psycho-therapeutics and, 10, 155

Reaction-time and, 1, 204; 2, 325

Sleep and, 1, 510, 515; 14, 276

Somnambulism and, 1, 515

Suggested blisters in, 1, 718

Suggestion and, 2, 315-6, 318; 4,
 466-70; 12, 605

Therapeutic use of, 1, 511, 518,
 523, 719, 720; 2, 319-21, 660; 10,
 440-41, 478-81; 19, 427; in in-
 sanity, 1, 742

Traumatic, 4, 468

Voluntary, 21, 345

See also Hypnosis

Hypochondria, *see Abnormal*

Hysteria, *see Abnormal*

Hyther, definition of, 20, 3; scale of,
 20, 3, 6

I

Ideal, concept of, 20, 150, 595; 22,
 135; motive of conduct, 20, 288; of
 modern educators, 20, 462; religious,
 9, 116-9

Idealism, 23, 343; 27, 299 f.; Chris-
 tianity and, 9, 241; classes of, 11, 512;
 defined, 11, 512; dynamic, 9, 417;
 ethical basis for, 11, 520; extreme,
 a fallacy, 11, 511-26; human progress
 and, 9, 241; modes of dealing with,
 11, 513 f.; philosophical representa-
 tives of, 11, 514 f.; religious basis,
 11, 520; Royce on, 11, 520-6; per-
 sonal, metaphysical theory of, 12,
 607 f.

Ideas:

Anatomical mechanism of, 7, 428

Animal's power to form, 14, 341

Association of, 4, 465 f.

Attention and, 16, 451 f.

Community of, 2, 487; 5, 248

Evolution of, 8, 578

Fixed, *see Fixed idea*

'Flight of' in manic patients, 17, 44-7

History of, 29, 457

Imperative, *see Fixed idea*

Innate, Locke on, 2, 70 f.

Knowing and, 11, 517

Melancholics and, 7, 291

Memory for, test, 29, 329

Motor-power of, 19, 517

Nature of, according to Spinoza,
 18, 517 f.; psychological, 17,
 134 f., 136

Philosophical speculations upon, 11,
 517

Psychological fact of, 11, 517

Retroactive effect of, 19, 575

Revival of, 18, 239-52

Verbal-motor, 8, 420

See also Fixed idea; Image

Ideational type, 2, 183; 11, 592; 14,
 561; 18, 70 ff., 81 ff., 94 f., 118-29;
 20, 147; 22, 101; 30, 328-30; deter-
 mination of, 17, 121-6; difficulties
 of distinguishing, 27, 87; dreams
 and, 12, 132-7; effect on aphasic
 disturbances, 30, 327-36; effect of
 interference of motor habits, 20,
 282 ff.; environment produces, 20,
 348; in endophasia and hallucina-
 tion, 17, 127-33; in insane, 17, 129-
 33; in mutilated word test, 12, 106-
 17; motor, 20, 283 f.; visual, 20,
 283 f.

Identification of individuals, methods
 for, 30, 116

Identity, personal, consciousness of,
 6, 623; Hume on, 2, 82; scientific
 problem, 15, 204 f.

Idiocy, *see Abnormal*

Idio-plasm as carrier of heredity, 3,
 99 f.

Idio-retinal light, demonstrated, 4, 485

- Idiot**, *see* **Abnormal: Idiocy**
- Ignorance**, causes and effects of, 10, 161
- Illumination**, artificial, on colored surfaces, 19, 536-40; changes, 28, 497; peripheral vision and, 23, 533 ff.; reaction light, effect of brightening, 28, 500; effect of dimming, 28, 498
- Illusion**, 2, 341; 14, 308
- Areal, effect of contour on, 9, 178-82
- Aristotle's, 19, 574
- Association, 9, 403
- Autokinetic, 28, 476-85
- Color named, 12, 178-84
- Color-size, 7, 26-41, 386
- Deceptive, or hallucination, 14, 293
- Development of, 14, 309
- Directional, 2, 512-3; 9, 399 f., 402; sound, 3, 575
- Disc-and-rod, 4, 201-8
- Division and composition, 9, 398
- Dream, 7, 410; stages in, 5, 335
- Equivocal figures, 7, 419
- Expansion and limitation, 9, 397 f.
- Experimental production, 6, 628 f.
- Extension, 9, 402
- Form, in indirect vision, 6, 598
- Geometrical, 4, 381-98; 6, 600-12
- Geometrical-optical, 9, 396-404; theories of, critical, 9, 401, 403
- Hallucinations and, 13, 583
- Horizon, 2, 657 f.; 7, 26 ff.; 13, 477-87; 18, 264 f.
- Ladd-Franklin, 1, 99-111
- Lifted-weights, 2, 650 f.
- Memory, 2, 180 f., 431-64, 510 f.; 10, 161; 16, 388 ff.; 18, 411-6
- Mind's origin and, 29, 437
- Motion of a single light on mountains, 28, 476-85
- Müller-Lyer, practical illustration of, 7, 305
- Old and new magic, 20, 294
- Optical, 5, 38, 99 f., 214; 14, 292; conjurer's use of, 11, 454, 459 f.; displacement of cross-lines, 6, 275 f.; filled and unfilled space, 6, 413 ff., 509 ff., 515, 518 ff., 520 ff.; geometrical, 6, 609 ff.; 16, 547; length of lines, 19, 242; Müller-Lyer, 6, 460 ff.; practice-effect on, 6, 421, 514; recent studies, 6, 460-70; reversible perspective, 16, 401
- Paradoxical and Weber's limen, 21, 512
- Paramnesia, *see* **Paramnesia**
- Projection and retraction, 9, 400
- Psycho-social mechanism of, 20, 595
- Illusion** (*continued*)
- Reversible, 9, 402; perspective, 2, 159
- Rod, in color mixing, 4, 201-8
- Senses in, 23, 66
- Shape-weight, 6, 343-62
- Size-weight, 5, 576; 6, 343-62; 9, 167-78; enhanced by active lifting, 9, 173, 177
- Spatial, 5, 263; of size of familiar objects, 9, 140-6
- Stage and magical, 9, 246, 406
- Touch, 6, 275 f.; 19, 574; displacement of cross-lines, 6, 275 f.; filled and unfilled space, 6, 332 ff.; Weber's, influence of various conditions on, 29, 93-106; weight, 6, 343 ff.
- Weber's, qualitative and quantitative study, 29, 81
- Zöllner's anorthoscopic, quantitative study of, 11, 240-243
- Illusory experience**, place in a realistic world, 24, 446; perception, visual forms, liminally and subliminally presented, 12, 185-92
- Image**, 5, 55, 382-3
- Aesthetic synaesthesia, 21, 347
- Antecedents of the, 27, 461
- Auditory, descriptive study of, 13, 541-44
- Classification of, 27, 462, 464
- Clearness vs. intensity of, 2, 352 f.
- Course of, in time, 13, 526-49
- Defined, 11, 14
- Degrees of intensity, 22, 358-68
- Dermal, descriptive study of, 13, 544-7
- Description of, 13, 526-49
- Development and decay of, 27, 461 f.
- Direction of, 13, 547 f.
- Distinguished by feelings, 13, 527
- Double, child observers, 17, 273
- Dream, types of, 7, 406 ff.
- Duration of, 27, 461; 29, 365
- Factors which influence arousal of the primary visual memory, 27, 87-118
- Fully-developed, 22, 52, 56 f.
- Functions of, 27, 462
- Greek theory of, 4, 185
- Gustatory, descriptive study of, 13, 544 ff.
- Half-developed, 22, 51 f., 57
- Hypnagogic, 1, 740; 11, 580; in childhood, 17, 272-3
- Imaginative, aroused by unknown proper names, 27, 430 ff.; compared with perceptive, 21, 428-35

Image (*continued*)

- Indicative, in understanding, 22, 26 ff.
 Intensity of, 22, 346 ff., 357 f.
 Irrelevant, 23, 110 ff.
 Kinaesthetic element in, 21, 435-42
 Kinds of, 11, 14; eye-movement and, 27, 463, 471 ff., 490 f.
 Martin's experiments on, 24, 124, 579
 Memory, 13, 526-49; 20, 534; 22, 24 ff., 35; *see also* Memory
 imagination *vs.*, 21, 444-52; 24, 129, 579; temporal course, 21, 449
 Mental, Aristotle on, 2, 45; behavior of, 13, 526-49; distribution and functions of, 21, 175; influence of night and morning upon, 29, 358; tests of, 10, 353 f., 370 f.
 Motor, 14, 278; motion and, descriptive study of, 13, 537-41; factors in, 1, 547 f.; phenomena of, 27, 462 f., 471 ff.
 Nature of, in auditory discrimination, 13, 259 f.; 19, 374 ff.
 Observers for, 24, 125, 579
 Olfactory, descriptive study of, 13, 544 ff.
 Organic, 22, 28 f.
 Perception of lifted-weights and, 17, 520-24
 Perky experiments on, 24, 124, 579
 'Personal reference' of, 27, 463, 465, 491
 Physiological substrate of, 22, 368
 Production of, voluntary and spontaneous, 24, 127
 Relevant, 23, 110 ff.
 Representing meaning, 23, 109 ff.
 Retinal projection of, 9, 56-9
 Sensation and, 22, 364 ff.; 27, 461
 Stimulus-error and, 22, 351
 Study of, methods, 12, 410 f.
 Suggestion and, Binet on, 1, 517; experiments on, 24, 125
 Taste, descriptive study of, 13, 544 ff.
 Term ambiguous, 27, 463
 Tied, 25, 300
 Verbal, 22, 29 ff.
 Visual, 5, 321; 13, 527; 14, 276; characteristics of, 27, 464 ff.; classes of, 27, 471; concrete, 22, 29; cutaneous localization and, 7, 44-55; dependence on eye movements, 17, 236-42, 246 f.; detailed analysis of, 27, 464 ff.; distinctness of, 17, 235 f., 239,

Image: Visual (*continued*)

- 243 f.; duration of, 17, 230-6, 238 f.; eye-movements and, 27, 462 f., 471 ff., 490 f.; fluctuations of clearness and, 27, 476 f.; ghosts and, 26, 251-7; incompleteness of, 17, 231, 234 ff., 243 f.; involuntary appearance of, 17, 228 ff.; localization of, 17, 230 f., 240; memory, influence of mental work on, 29, 355; motor elements in, 17, 231, 236-42, 246; peripheral and central factors in, 17, 227-47; recall of, voluntary *vs.* involuntary, 17, 227-47; voluntary movement and, 21, 514-25; with unfamiliar stimuli, 22, 31 ff.; *see also* After-image; Imagery; Idea; Memory: Image
 Imageless Thought, *see* Thought: Imageless
 Imagery, 20, 244, 277, 332; 25, 33 ff.
 Addition and, 17, 3 f.
 Arithmetical work and, 17, 3 f., 19 f., 26-9, 33 f.
 Aroused, eye-movements recorded in, 27, 471 ff.
 Auditory, 20, 147, 195-218, 199-201, 213-16; changes in, 20, 203; control of, 20, 214 f.; course of, 20, 214 f.; expectant consciousness and, 20, 541; incompleteness, 20, 214; motor elements in, 17, 127-33; quality of, 20, 215; vividness of, 20, 215; *see also* Image: Auditory
 Chess playing and, 18, 275 ff., 284-7, 301
 Comic effect and, 16, 98
 Differences in, tested, 17, 121-6; 27, 482 ff.
 Division and, 17, 33 f.
 Dreams and, 7, 406; 16, 4 ff., 30
 Gradation of, 22, 210 f.
 Gustatory, in synaesthesia, 18, 342-52
 Involuntary movements and, 8, 401-3
 Mental, distribution and functions, 21, 175; place among mental functions, 16, 337 ff.
 Metaphorical, 30, 108-15
 Modalities of, 11, 25
 Motor, 20, 206, 210 ff.
 Multiplication and, 17, 19 f.
 Musical, 14, 554; centrally excited, 14, 554, *see also* Image: Auditory; enjoyment and, 23, 253 ff., 299 ff.
 Organic sensation and, 20, 395
 Recall of pictures and, 18, 390 ff., 397-420

Imagery (*continued*)

- Recognition and, 27, 360
- Remembrance and, 25, 71 ff.
- Resolution of problems and, 25, 71 ff.
- Stuttering and, 25, 237 f.
- Subtraction and, 17, 25-9
- Tests of, 10, 353 f., 370 f.
- Thought and, 22, 223 f.
- Time of holding *vs.* time of arousal, 27, 96
- Time-relations in, 22, 366
- Type, drowsiness and, 22, 101, 104; of Keats, 11, 592; of Shelley, 11, 592; variation in, extreme cases, 30, 330
- Verbal, 20, 206, 210; in expectant consciousness, 20, 536
- Visual, 20, 147
 - affective factors in, 21, 442 ff.
 - attention and, 27, 461-92
 - auditory recall and, 20, 197, 204, 206, 350
 - changes in, with time, 20, 201
 - character of, 20, 197 ff., 208 ff.
 - control and, 25, 293 ff.
 - description of, 13, 527-37
 - expectant consciousness and, 20, 536
 - experimentally aroused, 27, 463 f.
 - ghosts and the projection of, 26, 251-7
 - individual difference and, 27, 482 f.
 - kinaesthetic elements in, 21, 435-40
 - memorizing of animal names and, 20, 343-49; sounds, 20, 204
 - recall of groups of sounds, 20, 206; of pictures, 18, 397-420
 - time judgment and, *see* Time-judgment
 - touch localization and, 7, 50
 - understanding and, 22, 22 f.
 - see also* Image: Visual
- Imaginal type, *see* Ideational type
- Imagination**, 11, 271; 14, 260, 295
 - Affective factors in, 21, 442 ff.
 - Aristotle on, 2, 45
 - Condillac on, 2, 74
 - Content in music, 5, 42
 - 'Continued story' and, 7, 86
 - Creative, day dreaming and, 15, 481 ff., 487 f.
 - Defined psychologically, 21, 423-7
 - Dreams and, 5, 324, 334
 - Evolution of, 11, 271 ff.
 - Experimentation in, before 1904, 16, 217; from 1899 to 1909, 21, 417
 - Fichte on, 2, 230 ff.
 - Hume on, 2, 81

Imagination (*continued*)

- Image of, 24, 129
- Inhibition of, 9, 185 f.
- Kant on, 2, 228 f.
- Memory *vs.*, 21, 444-52
- Of adolescents, 19, 249-52; prodigies, 4, 57
- Perception *vs.*, 21, 428-35
- Poetic, 25, 528, 537
- Reaction time of, 9, 186 f.
- Study of, 9, 183-90; experimental, 21, 422-52
- Suggestion and, 26, 540-49
- Temporal course of, 21, 449
- Tests of, 10, 354 ff., 371-9
- Visual, pseudo-chromaesthesia and, 5, 453; *see also* Image: Visual; Imagery: Visual
- Voluntary *vs.* involuntary, 17, 124 ff.
- Imbecility**, *see* Abnormal
- Imitation**, 14, 261; animals, 22, 583 ff.; birds and, 17, 268; 21, 1-71; chicks and, 10, 276 f.; children, of adults, 9, 383 f.; children's clubs and, 9, 431; criterion of, 21, 1, 8 f.; English sparrow, 15, 324 f., 345; 16, 191 f.; exceptional cases of, 9, 434 f.; fishes, 12, 360; laws of, 3, 267 ff.; monkeys, 21, 175; mouse, 21, 3 f.; raccoons, 18, 482-7; 22, 583 ff.; rats, 11, 162-4; 12, 213 f.; rhythms, 6, 624 f.; *see also* Animals
- Immaculate conception**, Freudianism on, 25, 313
- Immanent intelligence**, *see* Philosophy
- Immigrant**, 27, 155; *see also* Migration
- Immorality**, feeble-mindedness and, *see* Abnormal: Feeble-mindedness
- Immortality**, 14, 116; 26, 579-611; belief in, 24, 454; 29, 383; Buddhism and, 20, 140; concept of, 12, 278; desirability of, 20, 587; Smith and Ostwald on, 17, 426 ff.; thanatophobia and, 26, 550-613; youth's ideas of, 8, 104-8
- Immunify**, to disease, 19, 387 f.; to fatigue, 19, 388 ff., 394; to poison *vs.* fatigue, 19, 387 f.; training and, 19, 387 f.
- Imperative idea**, *see* Fixed idea
- Imperialism**, free trade and, 19, 285
- Impostors**, famous, 22, 468
- Impressibility** in dementia praecox, 21, 347
- Impression**, method of and comic effect of, 16, 39 ff.; dual, limen determined, 26, 152; single, limen determined, 26, 152 ff.
- Imprintation**, 20, 72 f., 76, 87, 91, 104

- Improvable**, curve of work and, 27, 550-65; measured by average deviation, 27, 240 ff.; variability and, 27, 239 ff.
- Improvement**, effect of rest on, 27, 563 ff.; in difficult mental work, 27, 563 ff.; in one function *vs.* learning in others, 27, 557 f.; individual differences in, 27, 552 f., 565; initial ability and, 27, 553, 557 ff.; rate of, changes in, 27, 553 f.; time distribution and, 27, 551 f.
- Impulse**, impelling, 3, 2; motor, diffusion of, 12, 274; obsessions and, 13, 579; psychological standard, for philosophy, 5, 466 f.
- Inadequacy**, feeling of, 20, 55, 57 f.
- Inbreeding**, 6, 640 f.; race or mongrel, 20, 152
- Incantation** against disease, 1, 739
- Incendiarism**, 2, 515; moral insanity of, 15, 586
- Incest** motive, 23, 591; *see also* Oedipus complex
- Inclination**, J. Edward's definition of, 13, 570
- Increment**, gradual, method, 1, 302-5; physical, 20, 4; sensation, 20, 4
- Indeterminism**, 5, 264
- Indexes**, plea for, 14, 84, 252 f.
- India**, climate of, 1, 739
- Indian** harmonium, 25, 295
- Indians**, *see* Anthropology: American Indian
- Indiana University**, psychology at, 3, 283 f.
- Individual**, memories, 10, 428-55; problems of, 10, 332-48, 388; theory of psychology of, 10, 348; the world and the, 11, 596
- Individual differences**:
 Aesthetic, 10, 358 f., 386-8
 Attention, 10, 356 f., 379-82; state, 27, 483; fluctuation, 12, 328-31; 336-42
 Causes of, 10, 6
 Characters of fiction, 19, 520
 Children, 22, 474
 Cutaneous after-image, 27, 567 ff.
 Diminution of, 22, 3
 Discrimination, 10, 357, 382-5
 Empirical tests for, 23, 149 f.
 Equal practice and, 18, 383 f.
 Fatigue, 19, 440-6, 451 f.
 Imagery, 10, 353 f., 370 f.; 27, 87 ff., 114-7; visual, 27, 482 f.
 Imagination, 10, 354 f.; 371-9
 Improvement, 27, 552 f., 565
 Judgment of lifted-weights, 12, 247 f.
- Individual differences** (*continued*)
 Memory, 10, 350-3, 360-70; -span, 1, 193; *see also* Memory: Span
 Mental arithmetic and, 19, 383 f.
 Monkeys, 13, 193-6
 Musical enjoyment, 23, 285 ff., 300 ff.
 Practice and, 23, 75 ff., 593; 24, 426
 Psychophysical series, 4, 216 f.
 Range at beginning of practice, 22, 2
 Recognition, 24, 542
 Sex, 23, 77, 87
 Study of, 22, 39 f.
 Susceptibility to suggestion, 19, 517
 Tests for, 7, 577; 23, 149 f.
 Types, in association reactions, 27, 119, 121-5, 129 f., 141 f.
 Variations (height and weight) of growing children, 9, 264; *see also* Anthropometric measurements
- Individual psychology**, 2, 606; 6, 534 ff.; 13, 149
 Artists, scholars and writers, 10, 156
 Defined, 10, 330 f.
 History and critique of, 10, 329-48
 Logical types of mind, 10, 603
 Problems of, 10, 332-48
 Status of, 10, 388-91
 Structural or functional, 10, 334-46
 Study in psychological method, 10, 329-91
 Theory of, 10, 348
See also Mental tests
- Individualism**, 9, 410; 22, 321
- Individuality**, 21, 276-82; child's, 21, 279-82; *see also* Child; mental tests and, 15, 448; organisms, 27, 292; outline for study of, 23, 153 f.; personality *vs.*, 27, 172; problem of, 25, 459
- Induction**, color, *see* Color: Induction; shocks, measurement of, 24, 463
- Inductive** *vs.* deductive methods of teaching, 25, 454 ff.
- Inebriety**, *see* Abnormal: Dipsomania; Alcoholism
- Infant**, *see* Child
- Infantilism**, *see* Abnormal
- Inference**, replaced by observations in modern science, 21, 350 f.
- Information** *vs.* description, 23, 169 ff.; test, academic performance and, 30, 307-10
- Inheritance**, of acquired modifications of behavior, 28, 175-90; of the cell, 8, 418; of number-forms, 8, 520 f.; of rhythm, 24, 180; *see also* Heredity
- Inhibition**, 5, 37, 277, 287; 11, 273
 Absent in certain insane, 17, 130-3

Inhibition (*continued*)

- Attention and, 23, 345 f., 349 f., 357 ff.
 Brunton's theory of, 15, 537-9
 Center of, 15, 533-40; Goltz on, 15, 534-37; Preyer on, 15, 534
 Cerebral function of, 3, 439-41
 Drowsiness and, 22, 107 ff.
 Free association and, 22, 6
 Goltz' theory of, 15, 535 ff.
 Hallucination and, 17, 134 ff.
 Internal speech and, 17, 128-30
 Irritability and, connected with narcotics, 16, 141
 Kron's theory of, 15, 539 f.
 Memorizing and, generative and effectual, 19, 47 ff.; retroactive, 19, 50 ff.
 Motor, in the insane, 19, 281
 Nature of, 14, 613
 Of attention, 9, 336 ff.; of imagination, 9, 185 f.; of knee-jerk, 1, 712; of sensations, 23, 345 ff.
 Phenomena of, 14, 613
 Reflexes, 15, 532-40
 Setschenow's center theory, 15, 533 ff.
- Initial spurt**, in a simple mental function, 27, 256-60; short intervals *vs.* long intervals, 27, 256; work curve and, 27, 556, 565; *see also* End spurt
- Initiation ceremonies**, transforming the self, 27, 197 ff.
- Ink-blot**s, imagination test by, 26, 541 ff.
- Innate ideas**, Locke on, 2, 70 f.
- Inner-speech**, 17, 127-133; 19, 282 f.; occurrence of, 22, 20 ff.; and its relation to sense perception, 3, 289 f.
- Innervation**, 5, 199; maximum rate of, 5, 137; sensations, 2, 653-6; sense, 4, 152 f.
- Insanity**, simulated, 1, 727 f.; *see* Abnormal
- Insects**, *see* Animals
- Insomnia**, 2, 183; metabolism and, 10, 606; nerve strain and, 19, 573
- Inspiration**, *see* Religion
- Instincts**, 11, 276; 22, 131, 135, 474; 23, 595
 Children's constructive and destructive, 21, 144-9
 Climbing, 9, 465
 Competition in chess, 18, 271 ff.
 Consciousness and, 22, 173
 Criterion, psychological, for philosophy, 5, 466 f.
 Darwin on, 9, 549-52; 19, 2
 Defined, 19, 2 f.; 28, 510

Instincts (*continued*)

- Development of, in higher biological types, 19, 202
 Emotion and, 15, 575, 579 f.; 27, 228 ff.; in relation to vitalism, 30, 411
 Ethical, 9, 99-102
 Evolution of, 19, 210; in fishes, 13, 421-5
 Following, 21, 4 ff.
 Gambling and, 13, 364-407
 Genesis of, according to Weismann, 19, 218
 Habit *vs.*, 28, 511; habit and, neural correlates of, 30, 377-405
 Herd's, in peace and war, 27, 578
 Individual fluctuation and variability of, 19, 1 f.
 Intelligence and habit, differentiated, 10, 279
 Man and, 29, 235
 Memory and, Spencer on, 2, 247
 Methods of studying, 19, 12 f.
 Migratory, differentiation of, 10, 63 f.; examples of, 10, 3 f.
 Paternal, 7, 173 f.
 Perversion of in social delinquency, 11, 192-200, 210
 Raccoon's, 18, 452-60, 482-7
 Repressed by social pressure of herd, 21, 89 f.
 Reproductive and religious life, 9, 120 f.
 Sexual, 7, 162, 173; 10, 160, 320 f.; perversions of, 11, 201 f., 211
 Spider's, 17, 316-53; feigning, 17, 312 f.; food-getting, 17, 334-8; mating, 17, 341-8; web-shaking, 17, 338-41
 Strength tested by association method, 27, 227-33
 Temperature and, in fish, 13, 409 f.
 Theory of, 20, 149, 285 f.
 Variability of, in spiders, 17, 326-32
 Vestigial remains, 19, 1-13
- Instruction**, negative, consciousness under, 23, 183-213; *see also* 'Aufgabe'
- Intellect**, development of, 10, 594, 602; 18, 356-70; estimates of, 20, 365 f.; scholarship *vs.*, 20, 366; sensory discrimination *vs.*, 20, 364-9
- Intellective function**, intelligence and, 15, 272 ff.
- Intellectual**, interest, 9, 100 f.; processes, experimentation in, up to 1904, 16, 218
- Intellectualism** *vs.* humanitarianism in literature, 27, 305 ff.; *vs.* intuitionism in French philosophy since 1918, 29, 393

Intelligence:

- Adaptive, in cat, tested, 26, 211-6
 Aphasic disturbances and, 30, 328, 331
 Attention range and, 7, 231 f.
 Cattell on, 15, 206 f.
 Common sense *vs.*, 15, 251
 Complex, 21, 236
 Correlated with discrimination, 15, 259; with improvement in multiplication test, 19, 379; with mobility, 12, 56
 Correlational procedure, 15, 252-6; psychology, 15, 205 f.
 Creative, 29, 309
 Definitions, 15, 250 f.
 Discrimination as measure of, 15, 241-92
 Environment, infancy and, 29, 199
 Experimental study of, 29, 285
 Experiments, Aiken, Thorndike, Hubbell, 15, 219, 221; Bagley, 15, 215; Binet, 15, 216 f., 220 f.; and Henri, 15, 210 f.; and Vaschide, 15, 213 f.; Boas, 15, 207 f.; Bourdon, 15, 209 f., 220 f.; Carman, 15, 215; Cattell, Farrand and Wissler, 15, 219 f., 222, 282 f.; Dresslar, 15, 209; Ebbinghaus, 15, 212 f.; Gilbert, 15, 208, 279 ff.; Griffing, 15, 209; Kirkpatrick, 15, 215 f.; Kraepelin and Cron, 15, 218; Oehrns, 15, 207, 220; Pearce, 15, 214 f.; Reis, 15, 218; Scripture, 15, 208 f.; Seashore, 15, 214, 281 f.; Sharp and Titchener, 15, 211 f.; Simon, 15, 217; Spearman, 15, 241-92; Thorndike and Woodworth, 15, 216; Wagner, 15, 212; Wiersma, 15, 213; *see also Tests*
 Facility in language as measure of, 19, 253
 Future of, 29, 452
 Galton on, 15, 206
 General, 20, 364, 367; impression *vs.*, 15, 251
 Genetic view of, 21, 177 ff.
 Handwriting and, 17, 394-404
 Hierarchy of, 15, 274-7
 Illusions of weight and, 6, 353 ff., 362
 Instinct and, 6, 294; habit and, differentiated, 10, 279
 Intellectual function, unitary, 15, 272 ff.
 Lapsed, Spencer's theory of, 28, 177
 Levels of, 21, 179
 Life and, 6, 139
 Measure of, 15, 249 ff.

Intelligence (continued)

- Measurement of, 15, 201-92; correspondence, 15, 226 f.; faults in, 15, 219-26; irrelevant factors, 15, 227-41, 255, 261 f., 266, 278 f.; variability, 15, 238-41
 Motor power and, 14, 615-31
 Native capacity *vs.*, 15, 250 f.
 Origin of, 6, 139
 Practice and, 15, 227-33, 262 f., 267
 Quotient in Galton's childhood, 28, 209
 Reaction times, 15, 489-95
 Relation to certain mental and physical traits, 28, 161
 School ability *vs.*, 15, 259-91
 School children, 30, 429 f.
 Sensitivity to pain and, 10, 396 f.
 Sensory discrimination as measure, 15, 241-92
 Specific activity *vs.*, 15, 249 f.
 Stanford adult test of, 29, 128; revision of Binet-Simon scale for, 29, 352
 Strength and, 10, 396
 Tapping test and, 19, 348
 Testing, 27, 79, 82; principles and methods of, 20, 141; psychological methods of, 26, 469
 Tests, *see Tests: Intelligence*
See also Intellect
Intensity, 5, 245; 19, 286
 Aspect of affective qualities, 19, 220
 Attention and, 5, 15 f.; determined by, 26, 150 f.; *see also Clearness: Conditions of*
 Changes in, 5, 398 f.
 Clearness and, 20, 477; 22, 352 f.; 24, 482, 486, 502
 Criterion in estimating distance of sounds, 21, 347
 Effect of, on secondary cutaneous sensation, 5, 104
 Factor in sensory basis of judgment, 19, 318
 Fluctuations in, under prolonged stimulation, 18, 313
 Individual differences, influence, 22, 368
 Inhibition of, in sensations, 23, 346 ff.
 Measurement of, 5, 293
 Of color, 5, 396
 images, 22, 346 ff.; degrees in, 22, 358 ff.
 mental images, 1, 517
 odors, factors determining, 10, 94 f.; relative to difference-limen, 10, 92 f.

Intensity: Of (*continued*)

- retinal stimulation *vs.* duration, 1, 548
- sensation, attention and, 1, 326 f.; education and, 19, 286
- of light, 2, 643; of noise, 2, 172, 187; of tones, 2, 172 f., 513; *see also* Weber's Law
- Scale of, 5, 375, 382
- Series, place of tickle in, 19, 331
- Size *vs.*, as determinant of attention, 28, 293
- Summation of, 19, 322
- Thermal, 22, 325 ff.
- Visual fluctuations affected by, 24, 406
- Intent** to remember, effect upon recognition, 24, 534
- Interaction** theory, origin and evolution of life according to, 29, 124; of mind and body, 9, 547
- Interest**, 5, 287; 22, 474
 - Aesthetic, 9, 100 f.
 - Attention and, 19, 15-18; 21, 344
 - Children's social, growth of, 9, 429 f.
 - Definition, 19, 14, 17
 - Emotion and, 28, 391 ff.
 - Influence on arithmetical ability, *see* **Mathematical: Prodigies**
 - Intellectual, 9, 100 f.
 - Memory imagery and, 27, 88, 104 ff., 115 ff.
 - School-child's, in school subjects, 26, 618
- Interference**, 20, 74, 282-84; between associations, 5, 356-69; 6, 267 ff., 433 ff.; of mental processes, 4, 219-23; -tube, *see* **Apparatus**
- Intermissions**, practice and, 19, 461-4
- Intermittence**, of minimal visual stimuli, 19, 58-129; of stimuli, essential factor in tickle, 19, 340 f.
- Internal**, speech, *see* **Inner-speech**; sensations, 5, 104-7
- International** congresses, *see* **Meetings**
- Internationalism**, progress toward, 6, 283 f.
- Interpolation**, graphical and numerical, 22, 94-8, 300-3
- Interpretation**, of poetry and religion, 12, 277; psychoanalytic, 22, 515 ff.
- Intervals**, musical, intonation of, 14, 461; sense for, 3, 134 f.; time, least observable, 6, 565 ff.
- Intoxication**, among animals, 11, 327 ff.; among primitive people, 11, 319-25; craving for, 11, 348-68; early civilization and, 11, 325 ff.; effect on language, 11, 344-7; impulse, 11, 348-68; motives to, 11,

Intoxication (*continued*)

- 343 f.; periodicity of, in primitive life, 11, 323 ff.; physiological state, 11, 329-32; primitive ceremonies and, 11, 322 f.; psychological state, 11, 329-32; religious ecstasy and, 11, 319 ff.; state analogous to, 11, 348-53; theories of, 11, 353-68; *see also* **Alcoholism**
- Introspection**, 20, 62 ff., 103, 274, 375, 379, 384; 23, 427 ff.
- Affection and, 7, 148
- Apperception in, 23, 491 f.
- Conscious process, 23, 442 ff.
- Contradictory results from, 23, 436 ff.
- Description, 23, 486
- Dementia praecox, 24, 145
- Errors of, 6, 429 f.
- Failure to discover self by, explained, 26, 519-24
- Generic term, 23, 485 ff.
- Limitations of, 23, 224 ff., 498
- Method of, 26, 499-505
- Meaning of, 23, 433 ff.
- Objective method and, 29, 208
- Of affective processes, 20, 162-71, 173-8, 183-7, 270; of degrees of clearness, 20, 120, 272, 343, 502-29; 24, 468; 27, 447-460; 28, 558 f.; 29, 204 ff.; of expectant consciousness, 20, 532, 537-44, 546-50; of fatigue, 20, 356 f.; of organic sensation, 20, 389, 442 ff.; of pain sensation, 20, 444 ff.
- Opinions upon, Anschütz, 23, 429; Binet, 23, 429; Comte, 23, 434; De Sanctis, 23, 429 f.; Dodge, 23, 431; Dugas, 23, 429; Dürr, 23, 441 f.; James, 23, 430, 441; Ladd, 23, 430; Lange, 23, 434; Lipps, 23, 428 f.; McDougall, 23, 430; Maudsley, 23, 434 f.; Möbius, 23, 429; Müller, 23, 429, 491 ff., 503; Münsterberg, 23, 431; Myers, 23, 430; Stout, 23, 430, 445; Stumpf, 23, 428; Villa, 23, 429; Ward, 23, 430, 441; Wundt, 23, 429, 443
- Present status of, 23, 428 ff.
- Problems of, 23, 218
- Procedures in, 23, 491 ff.
- Psychological system and, 23, 447 f.
- Reaction-time experiments and, 6, 408 ff.
- Reasoning and, 25, 47 ff.
- Schema of, 23, 485 ff.
- Self-consciousness and, 23, 439 ff.
- Strychnine and, 25, 108 f.
- Supplementation of, 23, 228 f
- Tests and, 23, 87

- Introspection** (*continued*)
 Theory of, 23, 214 ff., 218 ff.
 Thought investigations and, 23, 500 ff.
 Training in systematic, 23, 446 f.
 Validity of, 24, 147 f.
 Value of, 27, 572 f.
 What is? 29, 208
- Introspectionism**, 30, 213 f.
- Introversion**, essay on the mystic, 29, 353; of a very young child, 21, 255, 258
- Introvert**, 29, 163
- Intuition**, 5, 466; deduction and, 25, 308-11; Kant on, 23, 372 f.; moral judgments and, 9, 218, 231
- Intuitionism**, 5, 465
- Intuitionism vs. intellectualism**, in French philosophy since 1918, 29, 393
- Invalid**, New England, 7, 292
- Invention**, boys' gangs and the period of, 9, 436 ff.; in chess, 18, 272 f.; origins of, 7, 133; social aspects of, 26, 388-416
- Inventors**, methods and inventions of, 26, 388-416
- Inversion**:
 Double, marked case of, 27, 203-16; pseudoscopic observations in, 27, 210 ff.; reactions to unfamiliar words in, 27, 209; tactual perception in, 27, 209 f., 214 ff.; visual perception in, 27, 209 f., 214 ff.; writing from copy in, 27, 207 f.; *see also* Mirror
 Dreams and, 21, 296 f.
- Involuntary movements**, 5, 223, 230, 273; control of, 8, 396-404; of hand, 14, 398-407; muscles, 5, 272
- Involution period**, psychic disturbances of, 1, 540
- Ireland**, medical mythology of, 1, 550
- Iris**, movements of, 2, 186
- Iroquois**, acquirement of written language by, 17, 73-6; *see also* Anthropology: American Indians
- Irradiation**, 4, 487 f.
- Irritability**, function of, nerve and muscle, 3, 78 f.; inhibition and, in narcotics, 16, 141; paramoecium behavior determined by, 10, 514; physiological, related to excitement and depression, 17, 68
- Italian**, articles of psychological interest, 28, 148; psychology, De Sarlo, 15, 518-25; Mosso representing, 15, 518
- Italy**, experimental psychology in, 1904, 15, 515-25
- Itch**, *see* Cutaneous; Sensation; tickle and, 19, 326; 21, 180
- J
- James, Wm.**, philosophy of, 28, 308; psychology of, 23, 339
- James-Lange theory of emotion**, *see* Emotion
- Japan**, demonology in, 20, 251; evil spirit theory in, 20, 225, 231; shamanism in, 20, 227
- Japanese ethics**, 11, 599; Society for Child Study, Congress of, 20, 156
- Jealousy**, 7, 186 ff.; adolescents and, 17, 460-3; adults and, 17, 463-6, 478 ff.; among primitive peoples, 17, 487-91; animals and, 17, 438-52; bibliography on, 17, 495 f.; child and, 17, 453-60, 475-8; 21, 94-7; clothes and, 27, 219; crimes due to, 17, 482 f.; development of, 17, 474-80; expressions of, 17, 450 ff., 468-74; function of, 17, 446 f.; pathological, 17, 480 ff.; pedagogy of, 17, 483-7; relation to other instincts, 17, 447-50, 466 ff.; sex-differences in, 17, 483; social aspects of, 17, 491 ff.
- Jesus**, childhood of, 13, 170; healer, 20, 243-7; historical discussions, 29, 125; legends concerning, 20, 234; life of, 10, 308; 13, 170; of history, 29, 125; parables of, 10, 597; records of life of, 29, 125; revelations of, 11, 278; virgin birth of, 15, 114 f.
- Jew**, *see* Hebrews
- Johnstown flood**, emotional effect of, 2, 672 f.
- Joints**, anaesthetized by induction current, 12, 346-53; sensation, 2, 514; 12, 346-53; 20, 380, 383, 396, 443; movement sensation and, 2, 514; sensory end organs in, 12, 350 f., 353
- Jokes**, 9, 29 f.; practical, 9, 22 ff.
- Jost's law**, 18, 226 f., 230-5
- Joy**, conversion and, 7, 351 ff.
- Judgment**, 6, 305 ff.; 7, 432; 9, 592; 20, 91
 'Absolute' or 'free,' 12, 69 f., 77
 Affective, 7, 61 f.; 20, 158; speed of, 25, 288 ff.
 Associative, of tones, 20, 168 f.
 Central tendency of, 22, 133
 Clang discrimination and, 12, 58, 64, 66, 69
 Consistency in, 23, 582 f.
 Direct, of colors, 20, 178 f.; of tones, 20, 169
 Doubtful, *see* Doubtful

Judgment (*continued*)

- During sleep, 16, 20 ff.
- 'Free' or 'absolute,' 12, 69 f., 77
- Greater, equal, and less, 28, 26
- Immediate, 11, 39 f.; 20, 171, 175, 178; *see also* **Judgement: Direct**
- Marbe on, 23, 501
- Mean gradation method, 12, 75 ff.
- Mediate, 20, 176; *see also* **Associative: Judgment**
- Memory image and, 13, 219-68
- Modality of, 8, 579
- Moral, *see* **Moral**
- Normal type, 28, 33
- Of area, effect of contour on, 9, 178-82
 - character (validity of), 19, 402
 - clicks and flashes, 10, 280-6; time effect in, 10, 282 ff.
 - difference, 22, 134
 - distance, imperceptible lines effect on, 19, 242
 - excitement and depression, *see* **Feeling**
 - extent, 22, 133
 - length, of arm movement, 20, 374-85; tactuo-muscular, 11, 527; visual, 11, 527
 - lifted-weights, 17, 497-521; 26, 261 analysis of, 17, 519 ff.
 - auxiliary sensations, 12, 252
 - basis of, 12, 253-7
 - free, 17, 505 ff., 512, 520
 - hand vs. foot, 12, 240-63
 - influence of distraction, 26, 302 f.; and fusion, 12, 257 f.
 - theory of, 17, 521
 - time of, 17, 499-514, 519 ff.
- 'like,' conditions affecting accuracy of, 18, 257; conditions affecting number of, 18, 257
- negative, positive and, 18, 258
- scale of stimuli and, 18, 254-7
- sensory basis, 18, 258 ff.
- light sensations, intensive and qualitative, 26, 296-9
- pleasantness and unpleasantness, *see* **Feeling**
- point-distance, 19, 504-18
- size of familiar objects, 9, 137-166
 - age-factor in, 9, 148 f.
 - comparative study of, 9, 140-66
 - bill (\$5), 2, 151-7
 - circle, 3-in., 9, 158
 - coin, nickle, 9, 147 ff.; dime, 9, 146 f.; quarter, 9, 144 f.; half-dollar, 9, 143 f.; dollar, 9, 140-3
 - square, 1-in., 9, 158 f.

Judgment: Of size (*continued*)

- mental age and, 9, 148 f.
- range of, 9, 164 ff.
- sex factor, 9, 140-66
- Of time, *see* **Time: Judgment**
- time intervals, 10, 1-27; doubtful, *see* **Doubtful: Judgment**; equality of, 27, 21 ff.
- tonal discrimination, certainty vs. correctness in, 12, 446, 448; effect of distraction on, 12, 455 ff.; immediacy vs. correctness in, 12, 446, 448; nature of, 12, 424, 433-43, 445 f., 448-52; speed vs. certainty in, 12, 445 f., 448
- triangles, 19, 504-18
- very weak sensory stimuli, 25, 450 f.
- weight, effect of shape upon, 6, 343-62; effect of size upon, 5, 576; 6, 343-62; 9, 173-7
- vertical and horizontal distances, 9, 60
- Process of, 13, 260-8
- Psycho-physical attitude and, 28, 1
- Suggestion and, 19, 504-18
- Sensory, 20, 158; basis of, 19, 318 ff.
- Variability of, 19, 402; 20, 155
- Jukes, the, 3, 261
- Jurisprudence**, criminal, administration of, 3, 388 f.; outline psychology of, for lawyers, 21, 174, 512
- Just** noticeable differences:
 - Method, 25, 140 f.; criticised, 1, 273-7; for smell, 10, 106 f.; theory of probability vs., 5, 288-92
 - Of clearness, 20, 501; sensation, 20, 4, 91, 125 f., 486; smell, 10, 124-38
- Justice**, 23, 154 f.; penal, 6, 471; sense of, 22, 317
- Juvenile**, *see* **Child**

K

- Kalikak** family, 24, 290
- Kant**, passing of, 23, 370-426; proglogomena to metaphysics, 22, 319; psychology of, 8, 424; Spencer and, 22, 319
- Kantians**, *see* **Post-Kantians**
- Kantianism**, criticism of, 23, 425 f.
- Katatonina**, *see* **Abnormal**
- Keller**, Helen, mental life of, 23, 67; *see also* **Bridgman, Laura**
- Key**, reaction, *see* **Apparatus**
- Khasis**, the, 26, 461
- Kinaesthesia**, 22, 135; auditory hallucination with, 17, 127-33; forearm movement, magnitudes of, 18, 265 f.; imagery and, 21, 435-42; 22, 366;

Kinaesthesia (*continued*)

inhibition through, 24, 213, 220;
intelligent will and, 24, 204; judgments of pleasantness and unpleasantness and, 27, 158, 164, 165 ff.; meaning and, 24, 238; rhythm-perception and, 24, 305; time judgment and, *see* Time: Judgment; unconscious phase, 24, 218; visualization and, 24, 214; voluntary movement and, 21, 515-25; 24, 210

Kinaesthesiometer, *see* Apparatus**Kinaesthetic center**, 5, 275

Factors in arousal of visual memory images, 27, 89, 98, 101, 104, 108 f., 111 f., 116 f.

Ghosts, 28, 349

Images in comparing time-intervals, 18, 178-82

Sensation, 20, 391, 397, 402, 432; attention and, 20, 479-81; expectant consciousness, 20, 531, 539 ff.; form-color of, 19, 315; writing, 5, 549; *see also* Sensation

Senses, 4, 148-55

Space-perception, 20, 370-85

Theory, 5, 273

Kinematograph, *see* Photoplay**Kinetogenetic theories of migration**, 10, 32-6**Kleptomania**, *see* Abnormal

Knee-jerk, 2, 474; 15, 552 f.; anatomical degenerations when lacking, 3, 92; apparatus for recording, 1, 12 ff.; asphyxia, effect of, 1, 56 ff.; attention, effect of, 1, 51 ff.; cerebral inactivity and sleep, effect of, 1, 53 f.; daily variations in, 1, 38-41; diagnostic importance of, 1, 10; dreams, effect of, 1, 61; Erb on, 15, 552; history of, 15, 552-4; inhibition of, 1, 712; meals, effect of, 1, 41-4; mental activity and fatigue, effect of, on, 1, 45-54; muscular fatigue, effect of, 1, 44 f.; music, effect of, 1, 58-61; physiological modifications of, 3, 577; reinforcement of, 1, 10, 17, 48-61, 712; respiration, effect of, 1, 55 f.; Sachs on, 15, 552; Schultze on, 15, 552 f.; Senator on, 15, 552; Sternberg on, 15, 553; strength of stimuli, effect of, 1, 15 ff.; terminal dementia and, 4, 343-61; theories of, 5, 85; Tschirjew on, 15, 552 f.; variations in normal, 1, 5-21; Waller on, 15, 553 f.; weather, effect of, 1, 61-7; Westphal on, 15, 552

Knowledge, Bacon's classification of, 11, 56; belief and limitations of, 10, 135; conceptual, 6, 619; dynamic

Knowledge (*continued*)

foundation, 24, 587; elements of, 14, 294; Eros and, 7, 298; life, reality and, 21, 345; of multiplicity, James on, 6, 619; principles of, 10, 135; problem of, 14, 306; 27, 152 f.; psychological theory of, and transcendental problem, 21, 348; theory of, 7, 574; 10, 323, 602; 23, 157 f.; 26, 620; 27, 287; theory, Emerson's, 30, 80 ff.; theory, Spinoza's, 18, 515 ff.

Kymograph, *see* Apparatus

L

Labor, insanity and, 20, 463; magic in development of, 24, 256; primitive, 8, 136; professionalism in, 27, 579

Laboratory:

Apparatus for, 11, 254-65

Atmosphere, 17, 392 f.

Course, in physiological psychology, 4, 141-55, 303-22; 5, 390-415; 7, 412; description of, 6, 593 ff.

Electrical supply of, 17, 274-9; 24, 33

Equipment of, 5, 427-38; 11, 251-65; 19, 285; 27, 530-49

Geneva, 8, 139

Italy, 15, 515

Expansion of, 6, 310

Methods, papers on, 18, 384 f.

Room plan for, 11, 251-4

Stanford University, plan of, 17, 274

United States, 23, 517, 519 ff.

See also Apparatus

Labyrinth, *see* Ear; *see also* Maze

Lagrange's formula in psychophysics, 22, 300 ff.

Lamella, *see* Apparatus

22, 300 ff.

Landscape, effect of, on mental life, 23, 469 ff.

Language:

American Indian, 6, 454 ff.; words of, *see* Words

American races, 22, 483, 604.

Articles of psychological interest published in different, 28, 141

Australian aboriginal, 12, 605

Child's, 6, 107 ff.; 13, 577; grammatical development of, 20, 467

Color, 29, 352; names of school children, 21, 453-82

Concept and, in child, 6, 117 f.

Development of, magic and religion and, 20, 119

Dialect of German hunters, 12, 605

Disorders of, 1, 334 f.

Education and, 6, 108 ff.

Effect upon memory image, 11, 23 f.

Language (*continued*)

- Heredity and, 6, 108 ff.
 History and psychology of, 14, 257
 Humboldt's philosophy of, 20, 467
 Ideas of action and, 6, 125 f.
 Infant crying and, 6, 112 f.
 Internal, *see* Endophasia
 Learning by primitive peoples, bibliography on, 17, 79 f.
 Measure of child's capacity for abstract thought, 19, 253-60
 Mental development and, 6, 114 ff.
 Origin of thoughts and words, 11, 599
 Philosophy of, 20, 467; 22, 122, 133, 136, 458
 Phonetic development of, in infancy, 6, 112 ff., 126 ff.
 Physiological development and, 6, 110 ff.
 Primitive peoples, 21, 376 ff.; analogy in, 18, 442-6
 Psychology of, 12, 80-130
 Scales of, 27, 294
 Stages in infant development of, 6, 133 f.
 Study, educational function of, 2, 91-140
 Symbols, time for perception of, 12, 83-6
 Understanding and, 8, 580
 Vocabulary of angels, demons and other spiritual beings, 9, 247
 Words for soul, 15, 127-9
 Written, acquired by primitive peoples, 17, 69-79
See also Aphasia; Linguistics; Perception: Of auditory symbols; Speech; Stammering
- Lapsed intelligence, Spencer on, 28, 177
- Lapses, Freudian doctrine of, its failings, 30, 276-90
- Lapsus, calami, 22, 498 ff.; linguae, 22, 492 ff.
- Larynx, automatic movements of, 11, 237 ff.
- Latent period, 2, 488 ff.
- Laughter, 9, 235-40; 13, 453, 580; 23, 146 f., 342
 After-effects of, 9, 6 f.
 Animals and, *see* Animals; as stimuli of, 9, 15 f.
 As action, 22, 138
 At calamity, 9, 19 ff.; forbidden or secret subject, 9, 30 ff.; practical jokes, 9, 22 ff.
 Basis of, 9, 38 f.
 Caricature and, 9, 24 ff.
 Characteristics of, 22, 152 f.

Laughter (*continued*)

- Children's, 22, 141
 Comedy and, 23, 156
 Comic effect and, 16, 49, 102 ff.
 Drama and literature and, 22, 146
 Excitements of, 9, 40
 Insanity and, 9, 36
 Liberty and, 6, 283
 Literature of, abstracted, 9, 36-41
 Nature of, 9, 238; and forms of, 22, 139 ff.
 Naive and unconscious, 9, 32
 Occasions of, 22, 143 f.
 Origin of, 22, 156; 26, 236-46
 Philosophy of, 9, 38
 Physical act of, 9, 3 f.; 12, 49 f.
 Physiology of, 9, 7, 37; 18, 423-6
 Pleasure and, 9, 239
 Problems of, 9, 238 f.
 Psychology of, 13, 453
 Questionary on, 9, 1 f.
 Recovery from fear, 9, 18 f.
 Ridicule and, 9, 24-7
 Satire and, 9, 26
 Sorrow as cause, 9, 6 f.
 Spontaneous, 9, 35
 Tickle and, 9, 238 f.; and the comic, 9, 1-42
 Vocal expressions of, 9, 5 f.
 Wit and, 9, 27
- Law, 6, 143; *see also* Legal psychology
- Leadership in boys' clubs, 9, 438
- Leading questions, 20, 155
- Learning, 20, 92 f.
 Arithmetical, traditional *vs.* economical method in, 27, 508 ff.
 Attention and, 22, 175
 Birds, 17, 252-66, 269-70
 Children, 29, 126
 Clerical task and, 27, 550 ff.
 Consciousness and, 22, 158 ff.
 Courtis arithmetic tests and economical, 27, 508 ff.
 Curve of, drop after first success, 12, 225; work and, 27, 550 ff.
 Distribution and, 24, 580; 26, 286 ff.
 Ergograph studies in, 15, 307 f.
 Experimental study of economical, 27, 507-29
 Feeble-minded and, 15, 413-24
 Fundamental operations and economical, 27, 507 ff.
 Habit and, 22, 173 f.
 Heredity in, 22, 177
 Intention permanently to retain and, 27, 420 ff.
 Interference of associations and, 6, 433 ff.
 Length of material and speed, 2, 591

Learning (*continued*)

- Maze, length of blind alleys and, 29, 127; in birds, 17, 252-7; in English sparrows, 15, 317-29, 339-45; *see also* Apparatus: Maze
- Mental function of, 16, 337 ff.
- Optimum limit for military training, 20, 467
- Perch, educability of, 12, 354-60
- Persistence of, in motor skill, 16, 131 ff.
- Practice effect upon, 24, 21
in addition, and, 21, 483-6
- Process of, 12, 228-32; 22, 172 f.; 24, 589; memory and, 29, 353; in the snail (*Physa gyrina*), 29, 127; *see also* Chess
- Psychology of, 25, 142; memory and, 26, 304 ff.; physiology of, 14, 201; typewriting and, 20, 289; 27, 47-70
- Quickness and retentiveness, 27, 293
- Recognizing and, case studies, 26, 346-68
- Repetition and, 2, 592
- Rhythm in, 2, 601
- Short-hand, 12, 224
- Subconscious and unconscious, 22, 176 f.
- Suppressed articulation and, 26, 286 ff.
- Theories on tossing and catching balls, 14, 201
- Timbre and, 22, 253, 282 ff.
- Time of day and, 24, 20
- Transference in, 22, 175
- Types of learners, 24, 15
- Variabilities and correlations in, 29, 316
- Written language by primitive peoples, 17, 69-79
See also Recall; Re-education; Retention; Maze; Memory
- Left-handedness**, *see* Dexterity
- Legal psychology**, 20, 136; 21, 174; international course in, 20, 296; psychopathology and, 10, 316
- Legends**, *see* Myth
- Legibility**, factors determining, 23, 21 ff., 28 ff., 32 f.; improvement of, 23, 26; of grouped letter, 23, 26 ff.; of small letters, 1, 402-35; of type-faces, 23, 1 ff., 454 ff.; bibliography on, 23, 34 ff.; order of, in the alphabet, 23, 3, 25 f.; tables of, 23, 8-21
- Length**, mental standards of, 10, 292-5; of line as a factor in Fechner's colors, 13, 502-6
- Lesion of cerebrum** causing motor disturbances, 4, 300 f.

- Letters**, legibility of small, 1, 402-35; 23 ff., 454 ff.; perception of, 22, 557 f.; reaction-time to, 1, 709 f.
- Levels of attention**, *see* Attention; of clearness, *see* **C**earness; of consciousness, *see* **C**onsciousness
- Liégeois**, monument to memory of, 21, 180
- Lies**, 14, 257; children's, 3, 59-70; 11, 445 ff.; 14, 257; 20, 465; justification for, in children, 3, 60 f.; *see also* Deception; Dishonesty; Lying
- Life**:
Adjustment to cosmic rhythm, 10, 19
Beginnings of, 16, 140
Biological problems of, 6, 139
Change of, 3, 112
Cosmic factors, influence on, 10, 18
Death and, 3, 106; 29, 451
Depends on temperature, 10, 7; on water, 10, 186 f.
Development and various types of, 19, 184-211
Duration of, 3, 105
Mechanistic conception of, 14, 1
Memories for entire, 10, 236 f.
Mind and, 19, 432
Nervous, 22, 468 f.
Origins of, 6, 139; 22, 468; in sea, 10, 177; theories on, 19, 155-84; and evolution of, interaction theory, 29, 124
Rhythm in physical and social, 10, 20-7
Span of man, periods of, 27, 85
Theory of, 7, 441
Tree of, 29, 127
Value of human, 22, 469
See also Evolution
- Life's day**, 20, 466
- Lifted-weight experiment**, 9, 591
Apparatus for, *see* Apparatus
Auxiliary sensations, 12, 252
Basis of judgment in, 12, 253-7
Bibliography on, 12, 259-63
Differential sensitivity for, 10, 604
Discrimination, 24, 80; and age, 15, 235; and practice, 15, 233
Distractions vs. judgments in, 26, 302 f.
- Lifting with hand and foot**, 12, 240-63
- Memory**, 17, 497-521
Method of psycho-physical series applied to, 5, 245
Parrish on two methods of judging weights, 8, 51 f.
Practice curve in, 27, 315
Reaction time in judging, 17, 499-514, 519-21

- Lifted-weight experiment** (*continued*)
 Relative sensibility of large and small muscles, 12, 240-63
 Theory of judgment of, 17, 521
 Time-interval in judging, 17, 499-521
 Two methods of judging, 8, 51 f.
 Weber-Fechner law, 28, 585
- Light**, artificial, effects of, 14, 70;
 feeling of dualism between darkness and, 14, 25; idio-retinal, 4, 485;
 induction, successive, *see* **After-image**;
 intensity, depth perception, 7, 518;
 polarization of and theory of vision, 2, 155 f.;
 reactions to, 14, 21;
 sensation, intensive and qualitative judgments of, 26, 296-9
- Likeness**, *see* **Judgments**
- Limen**, 5, 288; 22, 134
 Absolute, 25, 450 f.; for common salt, 25, 450 f.; for noise, 2, 187
 Associative, calculation of, 29, 219
 Attention and, 26, 435 f.
 Color mixer, 28, 409-18
 Color-saturation, 24, 171
 Cutaneous, affected by transfer of practice, 10, 144, 146
 Difference, 1, 273-7
 Differential, of pitch, 30, 143; of tonal brightness, 30, 154; of tonality, 30, 159 f.; of vocality, 30, 137; of volume, 30, 149-53
 Distance, in color-blindness, 22, 384 ff.
 Dual impression, 27, 316 f., 417 ff.; by method of constant stimuli, 26, 152-7
 Form, cutaneous, 10, 144 f.
 Lifted-weight, practice and, 26, 261 ff.
 Number of observations needed to determine, 27, 315-9
 Odors, fluctuation of, 10, 90
 Practical, 1, 299-302
 Practice influences, 27, 268 ff., 315 ff.; 29, 413
 Pressure, 5, 346
 Reflex, attention and, 26, 435; *vs.* sensory, 26, 428-37
 Sensory, attention and, 26, 435
 Single impression, by method of constant stimuli, 26, 152-7
 Smell, individual variation in, 10, 117-22; with different substances, 10, 135-8
 Taste, of hydrochloric, sulphuric and acetic acids, 30, 311-13
 Two-point, 28, 588; discrimination of cutaneous patterns below, 29, 400; effect of fatigue on, 29,
- Limen: Two-point** (*continued*)
 415-9; mechanical *vs.* manual stimulation in determining, 27, 417 ff.; perceptive forms below, 27, 569 ff.
 Upper and lower, for smell, relative size of, 10, 129
 Weber's, and the paradoxical illusion, 21, 512
- Liminal sensitivity**, attention and, 20, 489, 492, 495; stimuli, fluctuation of attention to, 17, 83-120; *see also* **Attention: Fluctuation; Limen; Subliminal**
- Limits**, method of, 4, 577-80
- Lingual muscles**, 5, 273
- Linguistic**, psychology, 5, 116-19; stocks, 22, 120 ff.
- Linguistics**, 6, 453
- Liquidity**, perception of, analyzed, 11, 414-25
- Lisping**, stuttering and, 24, 281
- Listing's law**, Helmholtz on, 16, 199 f.; Hering on, 16, 199
- Literary vs. scientific types**, experimental study of, 28, 238
- Literature**, 6, 48 ff.; criterion of life, 19, 519; temperaments illustrated in, 19, 519-35; water-theme in, 10, 213-16
- Live**, how to, 27, 578 f.
- Lizard**, soul represented by, 15, 136; *see also* **Animals**
- Lobar ganglia**, circulation in, 22, 186
- Local sign**, 20, 385, 391, 393, 401, 432; tactual, 23, 60
- Locality**, sense of, 4, 143
- Localization:**
 Auditory, 22, 250-71; bibliography of, 22, 250 f. (footnotes); binaural, 4, 320 ff.; bone conduction in, 22, 267, 269; different sensitivity in, 22, 271 ff.; historical review of, 22, 250-71; individual preferences in, 22, 390 ff.; intensity and timbre in, 22, 282 ff.; introspective analysis, 26, 280-5; monaural, 22, 253 f.; phase difference in, 22, 256 ff.; simple tones, 22, 254 f.; under determined expectation, 26, 268-85; *see also* **Sound**
- Cerebral**, 1, 187, 699; 3, 374; 4, 113-41; 22, 600
- Cutaneous**, 7, 42-57; 8, 250-67; of points, 6, 469 f.; photograph method, 7, 44, 55 ff.; sensation, 7, 577; visual image and, 7, 44-55
- Feeling**, 29, 420
- Gustatory**, of end organs, 1, 317 f.

Localization (*continued*)

- Sensations, of alimentary canal, 26, 12-57
 Spinal cord, 1, 188 f.
 Tickle, 19, 319
 Visual, in measuring effect of suggestion on eye-movement, 19, 505 f.
 Warmth and cold, in the stomach, 26, 490 f., 493; pure sensations, 26, 142-50
Locomotion, 5, 227
Locomotor ataxia, *see* **Abnormal**
Logic, 8, 425; 23, 483; affective reaction to fallacies, 21, 157-61; Aiken's principles, 15, 308 f.; Aristotle's other, 29, 431-4; formal, footnotes to, 29, 353; graphs in elementary, 20, 598; inductive and deductive, 21, 176; machines, 1, 165-170; metaphysics, 7, 574; other nonsense and, 7, 445; penultimate, 20, 63 f.; psychology and, 20, 590; psychology of, 23, 499 f.; symbolic, 2, 543-67; *see also* **Philosophy**
Logograph, *see* **Apparatus**
Love, between the sexes, preliminary study of, 13, 325-54; expression of, repressed, 13, 329 f.; genetic standpoint of, 13, 325-54; life, Lenaus', 21, 168; letters, 13, 172; of home, 10, 65-81; of migration, 10, 80 f.; nature of, 6, 38; 11, 277; 13, 570 f.; of water, 10, 226; physiology of, 3, 251 f.; situations which arouse it, 28, 167; what men live by, 26, 158; words for in American languages, 1, 186
Loyalty, lying and, 3, 62 f.; philosophy of, 19, 409
Lucian, translation of, 17, 425 f.
Ludicrous, the, 6, 41 ff.; *see also* **Comic**; **Laughter**
 'Lump in the throat', 17, 174 f.
Luster, 5, 414; binocular, 5, 414; visual, 4, 552 f.
Lustrations by water, 10, 209 f.
Luther, Martin, 23, 159; in the light of psychoanalysis, 24, 360
Lycanthropy, 18, 35 f.
Lying, accusation and swindling, pathological, 26, 619; casuistry as justification for, 3, 60 f.; defined, 14, 298; etiquette and, 3, 62 f.; loyalty and, 3, 62 f.; morbid fear of, in children, 3, 59 f.; pathological accusation, swindling and, 26, 619; self-deception and, 3, 64 f.; *see also* **Deception**; **Lies**

M

- Macula lutea**, 4, 483; 5, 36; *see also* **Eye**
Magic, 20, 107-19; 22, 470; history of, 9, 406; hysteria and, 1, 496; Kungerbagg, 8, 134; manism and, 29, 41; medicine and, 20, 227; old and new, 12, 271; 20, 294; origin of, 20, 113-9; power and medicine, 20, 227; power and miracle, 20, 237; primitive peoples and, 25, 316; religion and, 12, 616; 13, 451; stage illusion and scientific diversions, 9, 246, 406; white and black, 12, 399; *see also* **Conjuring**; **Deception**; **Lycanthropy**; **Witchcraft**
Magical activity as a form of labor, 24, 257
Magnet, effect in hypnotism, 1, 514 f., 520 f.
Magnetic field, physiological effect of, 2, 165
Magnetism, *see* **Hypnosis**
Malay, *see* **Anthropology**
Malingering, insanity simulated, 1, 727 f.; 2, 346
Maligners, 7, 292
Mamillary body, 2, 472 f.
Mammals, *see* **Animals**
Man, apes and, 22, 470; arboreal ancestry of, *see* **Evolution**; development of, 14, 359; fear of, 25, 368-82; growth of, and temperature, 10, 18; mankind, racial values and prospect, 29, 125; nature and, 22, 134; origin and nature of, 20, 155; primitive, 14, 397; "seven ages of" reduced to four, 27, 85 f.; struggle for existence and, 29, 199; universe and, 20, 295; woman and, 20, 459
Manism, animism and, 29, 21; bibliography of, 29, 47; psychology of religion, 29, 1-49
Manhood, insignia of, 6, 78 f.
Mania, *see* **Abnormal**
Manic-depressive insanity, *see* **Abnormal**
Manifold, apperception of, as a unit, 29, 291-315
Manitouism, in primitive religion, 27, 171 ff.
Manners, 6, 47
Mariotte's experiment, 4, 482
Marking system, 25, 144
Marriage, heredity and, 3, 262; night and, 19, 27
Maryolatry, Freudianism on, 25, 313
Masochism, 9, 212, 215 f.; 11, 212; 21, 210; origin of, 21, 316; *see also* **Abnormal: Sexual perversion**

- Masson disk, *see* Apparatus
 Masturbation, 10, 158 f., 316; among children, 11, 201; emissions and, 15, 104-7; precocious sex instinct, 11, 201 f.
 Materialism, failure of, 9, 241; soul in, 15, 373 ff.
 Materialistic concept of history, 16, 137
 Mathematical, ability, tests of and their prognostic value, 29, 353; discussion of data, 6, 431 f.; prodigies, *see* Prodigies
 Mathematics, 4, 56; 17, 1-35; 19, 370; 374 ff., 21, 483 ff.; 26, 247 ff.; 27, 507 ff.
 Mating, *see* Courting
 Matter, 20, 111, 222; composition of, 19, 161; elemental, 19, 161; memory and, 8, 419; to mind from, 7, 444;
 Maturation, 22, 473
 Maze, for birds, 17, 252 f.; for monkeys, 13, 181; for rat, 12, 206-10; for sparrow, 15, 339-44; learning, effect of blind alleys on, 29, 127; *see also* Apparatus
 Mean, average deviation of, 22, 96; deviation, gain or loss measured by, 5, 190, 195, 202; error, trustworthiness of means indicated by, 5, 157; gradations, method of, 1, 192, 310; discussed, 12, 75 f.; variation, 5, 143, 158, 161 f., 165, 189; attention measured by m.v., 24, 485; 27, 455; criticism of m.v., 27, 234 ff.
 Meaning, 20, 275
 Analysis, of, 23, 480
 Content of, 22, 49 ff.
 Feeling and, 29, 261
 Fluctuation of, 30, 417
 Images representing, 23, 109 ff.
 Kinaesthesia and, 24, 238
 Kinds of, 30, 417
 Lapse, in arithmetical operations, 17, 26; verbal, 18, 83-6; 30, 415
 Memory image in, 11, 17 f.
 Narrowed by serial connections, 18, 249
 Neurology of, 24, 236
 Of mutilated symbols, contextual supplementing, 12, 105-30; relation, 30, 4 ff., 8 f., 12-17; spoken symbols, 12, 102-30; truth, 21, 172; words, 22, 562
 Perception as, 22, 561 f.
 Perceptual, 28, 550
 Process *vs.*, 22, 554 ff., 574 ff.; 23, 173 ff., 178 ff.
 Rhythms supplied by, 12, 384-7
 Meaning (*continued*)
 Statement of, 23, 165 ff., 175 ff.; 24, 436
 Ultimate constituents of, 22, 56, 553 ff.
 Unknown proper names and psychology of, 27, 430 ff.
 Verbal, lapse, with long fixation, 18, 83-6; with repetition, 30, 415
 Measure, of precision, 22, 298 f.; of variability, 27, 234-44
 Measurement in psychology, 9, 420 f.; mental, *see* Intelligence; Tests; of attention, *see* Attention; of pain in school-children, 10, 392-8; of strength in school-children, 10, 392-8; physical, nature of data, 22, 299; *see also* Anthropometric
 Mechanical analogies of nervous function, 24, 555; memory, 25, 33
 Mechanics of psychic life, 21, 506
 Mechanism, 23, 591; belief in vitalism and, 30, 406-14; psychical, 5, 465; psychomotor, of typewriting, 27, 47-70; vitalism and, 30, 408 f.; vitalism *vs.*, 21, 349-70
 Median, measure of central tendency, 22, 4 f.
 Mediaeval philosophy, 21, 346
 Medical revolution, 22, 602
 Medicine, 22, 136; 23, 342, 344, 595; diseases of the prostate gland and annexa, 19, 286; history of, 28, 610; magic and, 20, 227; man, 20, 228, 235, 260; mental, 20, 595; nursing and, 26, 311; primitive, 6, 458 f.; power of, 25, 182; practice of, 20, 227; religion and, 19, 427; 20, 227
 Medico-psychology, 22, 603
 Medium, *see* Spiritism; Spiritualism
 Medulla, pathology of, 15, 586; tracts in, 2, 629 f.; vagus nerve and, 2, 149 f.
 Medullary sheaths, Flechsig's method of studying, 1, 215
 Medullated fibers in frog's cord, 3, 140
 Meetings:
 American Medico-Psychological Association
 59th Annual Meeting, Washington, 1903, Proceedings, 16, 143
 66th Annual Meeting, Washington, 1910, Proceedings, 22, 603
 American Philosophical Association
 3rd Meeting, Princeton, 1903, Proceedings, 15, 310
 American Psychological Association
 Third Annual Meeting, Princeton, 1894, 6, 617 ff.

- Meetings:** American Psychological Association (*continued*)
 Fourth Annual Meeting Philadelphia, 1895, 7, 306 f., 448 f.
 Sixth, Ithaca, 1897, 9, 135
 Seventh, New York, 1898, 9, 423
 Eighth, New Haven, 1899, 11, 280
 Fourteenth, Cambridge, 1905, 17, 144-8
 Fifteenth, New York, 1906, 18, 156-60
 British Association for the Advancement of Science: Experimental Psychology, Toronto (1897), 8, 584
 British Medical Association
 Sixty-third Annual Meeting, London, 1895, 7, 151 f.
 Seventy-second Annual Meeting, Oxford, 1904, 15, 463
 Childhood Society of Great Britain
 First Meeting, London, 1898, 9, 422
 Clark University Celebration of Twentieth Anniversary. Announcement. September 1909, 20, 468
 Congress American Physicians and Surgeons
 Third Session, Washington, September, 1888, 2, 144 f., 3, 96 f.
 Seventh Triennial Session (Transactions), Washington, 1907, 19, 575
 Eighth Session (Transactions), Washington, 1910, 22, 319
 Experimental Psychologists
 Fourth Annual Meeting, 18, 383-8
 Fifth Annual Meeting, Cambridge, 1908, 19, 288
 Sixth Annual Meeting, Princeton, 1909, 20, 471
 Seventh Annual Meeting, Baltimore, 1910, 20, 471
 Tenth Annual Meeting, Middletown, 1913, 24, 445
 Eleventh Annual Meeting, New York, 1914, 24, 445
 German Congress for Experimental Psychology
 First Meeting, Giesen, 1904, 15, 447, 464
 Second Meeting, Würzburg, 1906, 15, 464
 Institut Psycho-physiologique de Paris founded, 1891, 4, 501
 International Congress of Arts and Science, St. Louis, 1904, 15, 463 f.
- Meetings (*continued*)**
 International Congress of Criminal Anthropology
 First Meeting, Rome, 1885, 3, 114
 Second Meeting, Paris, 1890, 3, 114
 Third Meeting, Brussels, 1892, 4, 502
 International Congress of Ethnology, Paris, 1900, 11, 280
 International Congress of Experimental Hypnosis and Therapeutics
 Second Meeting, Paris, 1900, 13, 456
 International Congress of Experimental Psychology
 First Session, Paris, 1889, 4, 501
 Second Session, London, 1892, 4, 501
 International Congress of Medicine
 Thirteenth Meeting, Paris, 1900, 11, 279
 International Congress of Neurology, Psychiatry, Medical Electricity and Hypnology, Brussels, September 1897, 8, 584
 International Congress of Psychology
 Third Meeting, Munich, 1896, 7, 448; 8, 142-5, 312 f.
 Fourth Meeting, Paris, 1900, 11, 128
 Fifth Meeting, Rome, 1905, 16, 144
 Sixth Meeting, Geneva, 1909, 19, 286 ff.; 20, 469 ff., 571-5
 Seventh Meeting, United States, 1913, 20, 575
 International Congress of Public Relief (De l'Assistance), Paris, 1889, 3, 397 f.
 International Ornithological Committee, founded, 1, 197
 International Penal Association:
 German Division
 First Meeting, Halle a/S., 1890, 3, 386 ff.
 Japanese Society for Child Study, Tokyo Congress, 1908, 20, 156
 National Prison Association of the United States, Boston, 1888, Proceedings, 2, 338 f.
 Polish Psychological Society, Fifth Meeting, 24, 444
 Psychological Society of Moscow, 3, 592
 Russian Anthropological Society, St. Petersburg, founded, 1888, 1, 731

Meetings (*continued*)

- Società Ireniatria Italiana
Eleventh Congress, Ancona, October, 1901, 13, 585 f.
- Society for Psychical Research, Proceedings, London, 22, 603; 27, 286
- Southern California Association of Applied Psychology, Report of Clinic, 29, 236
- Southern Society for Philosophy and Psychology
Fifth Annual Meeting, Charlotte, N. C., 1909, 22, 136
- Megalomania**, *see* **Abnormal**
- Melancholia**, *see* **Abnormal: Manic-depressive; Melancholia**
- Melopöie**, history of development of ornamental, 25, 145
- Melody**, 5, 26, 49 ff., 59 f., 62, 64 ff.; 14, 571; intonation and theory of, 14, 462, 464; memory of, 14, 468; satisfactory ending of, 14, 457; twenty-four Negro melodies, 17, 138
- Memorizing**, experiments in, 6, 299; method of, 18, 210; method of mastery, 6, 299 ff.; reading as a factor in, 20, 145; recitation as a factor in, 20, 146
- Memory**, 2, 39-90, 225-70, 431-64, 568-622; 5, 20, 33, 220, 283, 383, 436; 14, 349; 22, 445; 23, 156
- Absolute, 10, 182 f.; pitch, 14, 555; tone, 18, 194-205
- Abstraction affects, 10, 253 f.
- Affective, 15, 447; Gordon on, 15, 447; factors in, 21, 442 ff.
- After-image, 5, 304; attention and, 6, 558 ff.; character of, 11, 44, 48; Fechner on, 2, 253; James on, 2, 585
- Age and sex *vs.*, 10, 231-4; average for three earliest, 10, 237 ff.
- Agreeable *vs.* disagreeable, 27, 469; 10, 243 ff.; by sex and race, 10, 243 ff.
- Aids, 10, 248-53
- American Indians, 10, 239
- Analysis of, 22, 600
- Ancestral aquatic life shown by, 10, 182 f.
- Apparatus for, *see* **Apparatus**
- Apperception and, 18, 234-8
- Aristotle on, 2, 43-53
- Association and, 4, 461; 11, 2 f.; 19, 144
- Auditory, 20, 194-218
- Augustine on, 2, 56-63
- Average for whole life, 10, 236 f.
- Bacon on, 2, 69; treatment of, 11, 58

Memory (*continued*)

- Bain on, 2, 243 f.
- Beattie on, 2, 237
- Bencke on, 2, 249
- Bergström's law (presentation-rate and), 18, 221
- Best, age of, 10, 240 ff.
- Bonnet on, 2, 77-80
- Bowne on, 2, 569 f.
- Brown on, 2, 239
- Carus on, 2, 232 f.
- Cellular physiology of, 19, 265
- Cicero on, 2, 54
- Complexity and dissimilarity of, 22, 319
- Condillac on, 2, 73 ff.
- Consciousness, analysis of, 18, 389-92, 397-420; for auditory verbal discourse, 20, 197-204
- Culmination for different materials, 10, 234 f.
- Cultivation of, 9, 415
- Darwin, Erasmus, on, 2, 226 f.
- Decay of, 10, 183
- Descartes on, 2, 66
- Diseases of, 2, 63 f., 83, 337 f.; 19, 283
- Distraction affects, 10, 254; by sound, 28, 191
- Dörpfeld on, 2, 249
- Dream influences, 1, 735
- Earliest, questionnaire on, 7, 303 f.
- Early, 6, 554 f.; difficult study, 10, 228 f.
- Ebbinghaus on, 2, 587-603
- Economy and training of, 21, 339; 23, 480
- Eighteenth Century physiologists on, 2, 72 f.
- Ephrussi's paradox, 18, 232-5
- Epicureans on, 2, 54
- Error of, 10, 606; 18, 218-21, 227 f.; magnitude, 11, 31
- Evolution of, 2, 244 f.; 21, 344
- Experimental psychology of, 20, 457; 26, 217-28; economy and technique of, 26, 304 ff.; technique for, 18, 212-17
- Experimentation in, history up to 1904, 16, 215 f.; from 1899-1909, 21, 415 f.
- Experiments by reconstruction method, 21, 174
- Exposure-time of syllables, 18, 223 f.
- False, 10, 241 f.
- Falsification of, 1, 537 f.; 22, 491
- Fatigue and, 18, 236 f.
- Fechner on, 2, 252 ff.
- Fichte on, 2, 230 ff.

Memory (*continued*)

- For digits, 17, 9 ff.; figures, *see*
Prodigies: Mathematical; lifted-
 weights, 17, 497-521; musical
 sounds, 10, 368 f.; tones, 1, 185 f.;
 words and numbers, 21, 487 f.
- Forgetfulness and, in children and
 adults, 19, 274
- Fouillée on, 2, 570
- Fries on, 2, 233 ff.
- Growth of, in child, 4, 363-80
- Hamilton on, 2, 239 f.
- Hartley on, 2, 52-5
- Hegel on, 2, 233
- Helvetius on, 2, 75 ff.
- Herbart on, 2, 247 ff.
- Hering on, 2, 264-9
- Hobbes on, 2, 69 f.
- Horwicz on, 2, 254-61
- Hume on, 2, 80 ff.
- Hypnosis and, 1, 513 f.
- Illusions of, 2, 61, 84, 242, 510 f.;
 10, 161; 18, 411-6; 24, 52; normal,
 16, 388 ff.
- Image**, 24, 129
- animal mind and, 11, 21
- attention and, 27, 89, 102, 104,
 106, 111, 114 f., 117 f.
- auditory, analytic study of, 12,
 409-57
- change, by language, 11, 23 f.;
 during time, 3, 274; 11, 30, 34,
 43, 45, 47 f.
- clangs and tones, discrimination
 and, 12, 409-57; 13, 219-68
- complexity of contour and arousal
 of, 27, 88, 95 ff., 115 ff.
- description of, 13, 526-49
- experimental procedure, 27, 89 ff.
- fading of, 12, 70 f., 79
- function of, 11, 15-25
- genesis of, 11, 18-25
- image of imagination and, com-
 pared, 21, 444-52
- individual differences in, 11, 37 ff.,
 43 f., 47
- interest and arousal of, 27, 88,
 104 ff., 115 ff.
- judgment process and, 12, 409-57
- kinaesthetic elements in, 21, 435-
 42; factors in, 27, 89, 98, 101,
 104, 108 f., 111 f., 116 ff.
- length of exposure and, 27, 88,
 101 ff., 115 ff.
- meaning and, 11, 17 f.
- mental distraction and arousal of,
 27, 89, 112 ff., 115 ff.
- methods of investigation, 11, 27 f.,
 40 ff., 45

Memory: Image (*continued*)

- motor distraction and arousal of,
 27, 88, 109 ff., 115 ff.; re-
 inforcement and arousal of, 27,
 88, 108 f., 115 ff.
- perception and, 11, 16 ff.
- periodic phases of, 12, 70
- peripheral stimulation and, 11,
 42 f., 47
- primary visual, factors of arousal
 of, 27, 87-118
- qualitative fidelity of, 11, 1-48
- size and arousal of, 27, 88, 99 ff.,
 115 ff.
- temporal course, 21, 449
- theory of comparison, 12, 58, 64,
 66, 69-79
- 'time-error' and, 11, 36
- tonal, nature and course of, 12,
 424-33, 443 f., 448-52, 454
- tone-judgment and, 13, 219
- understanding and, 22, 24 ff.
- verbal *vs.* visual stimuli and
 arousal of, 27, 94, 101
- visual, influence of mental work
 on, 29, 355
see also Image
- Immediate visual**, factors in, 17,
 227-47
- Improvement in**, 18, 329
- In adult and child**, 20, 318-52
- birds, 17, 255 ff., 262 ff., 269
- child, 4, 363-80; 10, 232; child and
 adult, 20, 318-52
- disease, unconscious, 1, 333
- dreams, 16, 9; 21, 300 ff.
- fishes, 12, 359
- Indians, 10, 239
- insane, 19, 43-57
- monkeys, 13, 189 ff.
- negroes, 10, 240
- raccoons, 18, 477 f.
- spiders, 17, 310, 352
- Individual memories**, 10, 228-55
- Interval between repetitions of series**
 and, 18, 225-8, 230-4; successive
 syllables and, 18, 224 f.
- Irregular time-intervals and**, 18,
 504-13
- Kant on, 2, 228 f.
- Key to heredity, 19, 177
- Ladd on, 2, 570
- Learning process and**, 29, 353;
 with intention permanently to
 retain, 27, 420-6
- Leibnitz on, 2, 71 f.
- Locke on, 2, 70 f.
- Logical, 25, 32-81
- Lotze on, 2, 250 ff.
- Luids on, 2, 571 f.

Memory (*continued*)

- Malebranche on, 2, 67 f.
- Manic-depressive and, 17, 40-4
- Matter and, 8, 419
- Measurement of, 29, 226
- Medieval conceptions of, 2, 64 f.
- Mental imagery and, in mental functions, 16, 337 ff.
- Methods, 25, 554-72; of investigation, 11, 4 ff., 10 f.; 18, 210 ff., 232 f.; of memorizing pictures, 18, 395 ff.; of right associates and, 18, 211; 27, 420 ff.
- Mill, James, on, 2, 241 f.
- Mnemonic *vs.* original sensations, 21, 511 f.
- Motor, of left hand, 19, 243
- Muscular, 1, 741; 7, 453-90
- Negro's, 10, 240
- Of adolescence, 10, 233
 - books, 10, 243 f.
 - chess games, 18, 276 f., 279 f.
 - childhood, books, 10, 242 f.; events recalled, 6, 554 f.
 - complex skillful act, 16, 131 ff.
 - early childhood, 10, 229 ff.
 - lines, time influence in, 11, 70
 - novel occurrences, 10, 231-4
 - numbers, effect of practice on, 18, 116; time influence on, 11, 70
 - protracted and repeated occurrences, 10, 231-4
 - time, influence of time on, 11, 71
 - tones, 11, 67-79; method of studying, 11, 71 ff.; time influence, 11, 71-9
 - visual distances, 11, 125
- Organic, 2, 247, 262-9
- Other mental powers and, 10, 253
- Pathology of, 1, 332 f.
- Pedagogy of, 20, 457
- Physiology of, 2, 66 ff., 72 ff., 78 f., 82 f., 227 f., 255-9, 571-6; 5, 356-69
- Physiological basis (Spinoza), 18, 516
- Plato on, 2, 40-3
- Plotinus on, 2, 55 f.
- Poorest age of, 10, 240 ff.
- Power of retention, 11, 11 f.
- Presentation-rate and, 18, 217-38; Bergström's law, 18, 221; bibliography, 18, 238
- Pre-Socratic views of, 2, 39 f.
- Problem of, 13, 453; 25, 38-44; *vs.* psychophysics of sensation, 29, 219 (footnote)
- Prodigies, *see* Prodigies,
- Prompting method, 18, 211

Memory (*continued*)

- Psychic life and, 10, 236
- Psychology and pedagogy of, 23, 344
- Psychopathology of, 15, 585 f.; 22, 474
- Puberty and, 10, 232 f.
- Questionary for, 10, 229 f.
- Quintilian on, 2, 55
- Rapidity of, 4, 39
- Recognition method, 18, 211 f.
- Recollection, constant sources of error in, 7, 304
- Reconstruction method of study, 21, 174
- Regularly successive sound impressions, 3, 290 f.
- Reid on, 2, 236 f.
- Repetition and, 10, 231-4
- Ribot on, 2, 573 f.
- Richet on, 2, 572 f.
- Span, 1, 193; 2, 607 f.; experiments on prehension, 1, 193; in feeble-minded, 2, 608; 15, 402-13; in mathematical prodigies, 18, 71; in pathological subjects, 15, 585 f.; test, 18, 210-12
- Spencer on, 2, 244-7
- Spinoza on, 2, 68
- Steinthal on, 2, 249
- Stewart on, 2, 237 f.
- Stoics on, 2, 53 f.
- Testimony and lies in early childhood, 20, 465
- Tests, 10, 350-3, 360-70; on bluebirds, 21, 41 ff.; in music, 14, 558
- Theory of, 6, 308 f.; 14, 382
- Time, influences of, in, 11, 67-79; theories of relation between, 3, 454-8
- Time-perception and, 15, 7 ff., 13
- Training, 2, 179 f.; 8, 414-7; and economy of, 21, 339; transfer of, 18, 329 ff.
- Tucker on, 2, 227 f.
- Unpleasant, by sex and race, 10, 243 ff.
- Mathematical prodigies and, 18, 70 ff., 74, 81, 85, 94 f., 118-29
- Types, *see* Ideational types
- Verbal, test of, 29, 328
- Visual, 20, 195; in poor spellers, 28, 157; *see* Visual
- Wolfe on, 2, 604 ff.
- Wundt on, 2, 261 f.
- Zanotti on, 2, 225 f.
- See also* Amnesia; Association; Forgetting; Learning; Mnemonics; Perseverative tendency; Recall; Recognition; Retention

Mendeljew, D. J., brain of, 21, 347
 Mendelism, 23, 148 f.
 Mendel's principles of heredity, 21, 329
 Menière's disease, 5, 102
 Menstruation, in insanity, 1, 202; superstitious about, 6, 80 f.
 Mental:
 Ability, reaction times, 15, 489-95
 Activity, blood changes in, 6, 264 f.; bodily posture and, 19, 274; daily variations in, 6, 247 ff.; fatigue and, 6, 250, 264, 265 f.; habit and, 6, 266 f.; individual differences in rhythm of, 6, 261 ff.; interference between associations and, 6, 250 ff., 267 ff.; nervous stimulation in, 6, 263 f.; physical exercise and, 6, 258 ff.; pulse-rate and, 6, 259 ff.; relation to circulation and respiration and, 3, 135; relative variation of different processes in, 6, 255 ff.; respiration and, 9, 560-71; three forms of, 19, 362; weather and, 6, 252 ff., 267
 Adjustments, 28, 462
 Age, in judgments of size of familiar objects, 9, 148 f.
 Arithmetic, methods used, 18, 93 f., 103-29; multiplication, 22, 194 ff.
 Arrangement, 14, 113; psychology of, 13, 269-93; *see also Gestaltqualität*
 Attitude, of tickling, 19, 322
 Blindness, 27, 77
 Change, produces physical change, 10, 495-9
 Complexes, 13, 269
 Conflicts, 28, 462
 Defect, *see Abnormal*
 Depression, alcoholism and, 27, 574-7
 Derangement, *see Abnormal*
 Development, 18, 356-70; child and race, 7, 142; Darwin's idea of, 9, 534-59; periods of, 13, 426 f.; rats and, 11, 80-100; Romanes' doctrine of, 11, 101-18; supernormal, 16, 145 ff.; young animals and, 7, 302
 Diagnosis, association-reaction method in, 20, 22-35; bibliography on, 20, 35-7; *see also Association method*; **Abnormal**: Dementia Praecox; Neuroses; **Dream**: Analysis; **Psychiatry**; **Psychoanalysis**
 Differentiation, causes of, 10, 6
 Discipline, 28, 310; educational values and, 21, 340

Mental (continued)

Disease, *see Abnormal*
 Distraction, *see Distraction*
 Disturbance, polyneuritis and, 4, 338 f.
 Duet, the, 29, 449
 Dynamism, 8, 581
 Effects, of castration, 10, 299 f.; of nostalgia, 10, 78, 80
 Elements, doctrine of Wundt, 16, 499 ff.
 Evolution, *see Evolution*
 Factor, in medicine, 13, 582
 Faculties, 13, 570
 Fatigue, measured by aesthesiometer, 20, 463
 Forms, *see Form*: Imaginal
 Functions, imagery and memory among, 16, 337 ff.
 Growth, control and, 13, 323; correlated with physical, 9, 296 ff.; day dreaming and, 15, 469-77, 487; mental decay and, 13, 426-49; of a mental defective, 27, 74 f.
 Healing, effect of mind on body, as shown in, 10, 431-502; mental medicine, 20, 595; 26, 311; *see also Psychotherapy*
 Heredity, denial of importance of, 27, 577
 Hygiene, 2, 344 ff.; moral and, 10, 599; of nerves and mind, 19, 146; recreation for nurses, 19, 571; significance of intelligence tests for, 26, 615 f.
 Image, 13, 526; 14, 262; 21, 175; types in visual reading, 11, 227-31; *see also Image*
 Instability, 10, 599
 Life, memories determined by, 10, 236; of ape, 20, 154; of two Macacus Rhesus monkeys in captivity, 13, 98-148, 173-218, *see also Animals*; unravelling of, 10, 181; water's place in, 10, 169 ff.
 Measurement, 22, 601; 23, 147, *see also Intelligence*; **Tests**: Mental; introduction to the theory of, 16, 139; theories of, 27, 81 ff.
 Motor ability of school children, correlated with, 12, 193-205
 Objects, Münsterberg on, 15, 297 f.
 Pathology, arrested development and, 11, 208-14; normal psychology and, 19, 426; nursing and, 26, 311
 Physical growth correlated with, 9, 296 ff.
 Physiology, its relation to mental disorders, 7, 290

Mental (*continued*)

- Processes, alcohol's effect on, 8, 180; existence and function as, 9, 420; interference of, 4, 219-23; mutual relations of, 10, 342-8; rat's, 12, 206-39; unconscious, 22, 163, 169 f.
- Rudiments, morality, 11, 181-224
- Science, *see* **Mental: Healing; Psychotherapy**
- Span, *see* **Memory: Span; Attention: Range; Span**
- Standards, of length, 10, 292 ff.
- State, distinguished from processes, 17, 297 f.; in crying, 17, 152 f., 163-7, 200 ff.; in pregnancy, 22, 322
- Stupor, *see* **Abnormal: Mental diseases**
- Survey, 29, 352
- Synthesis, Wundt's theory of, in vision, 2, 159 f.
- Tests, *see* **Tests: Intelligence**
- Therapy, *see* **Mental: Healing; Psychotherapy**
- Traits, of puberty, 30, 237 f.; rudimentary, 10, 182
- Troubles, scarlatina followed by, 5, 74
- Type, analytical and synthetic, 13, 578; *see also* **Ideational: Type; Temperament**
- Unbalance, *see* **Abnormal: Insanity**
- Work, 24, 270; influence on visual memory image, 29, 355
- See also* **Mind**
- Mentality**, of criminal woman, 28, 310; of President McKinley's assassin (Czolgosz), 14, 117
- Metabolism**, 22, 127; children and, 1, 356; fright affects, 1, 362; processes of, 14, 2; streaming phenomenon and, 19, 485; temperature affects, 10, 10-16
- Metaphors**, *see* **Figures of speech**
- Metaphysics**, 22, 124, 128, 135; French, 29, 398; principles of, 24, 135, 294; realism of, 7, 444
- Metempsychosis**, 27, 197
- Meteorological conditions**, effect on religious emotions, 13, 74; *see also* **Climate; Weather**
- Meteorology**, psychophysics and, 20, 7
- Meter**, of college yells, 12, 382 ff.; of military bugle, 12, 385 ff.; of nursery rhymes, 12, 362-9; *see also* **Rhythm**
- Method:**

Method: Animal (*continued*)

- maze, *see* **Maze**
- Pawlow's, 22, 474
- puzzle box, *see* **Apparatus**
- training, 5, 205-13; 21, 333 f.
- Anthropometric**, *see* **Anthropometric Association**, *see* **Association method; Method: Memory**
- 'Ausfrage,' *see* **Method: Question**
- Classification**, *see* **Method: Psychophysical series**
- Confrontation**, 22, 553
- Correlation**, 15, 77-88, 252-6; rank differences, 15, 86-8; 27, 161 f.
- Dynamogenic**, of studying color perception of children, 8, 560-76
- Educational**, 22, 319; *see also* **Education; Pedagogy**
- Examination**, *see* **Method: Question**
- Exhaustion**, of studying smell qualities, 10, 89
- Expression**, attention and, 16, 261 f., 409 f.; 17, 409; 20, 492, 502 comic and, 16, 77 ff.
- feeling and, 14, 13-20; 16, 548 f.; 17, 214 f., 427, 522-84; 19, 138, 217 f., 269; 20, 187
- Genetic**, 20, 458; in philosophy, 6, 309 f.
- Hypnosis**, 1, 204
- Ideational type**, determination of, 17, 121-6; *see also* **Ideational type**
- Impression**, attention and, 20, 492 comic and, 16, 39 ff.
- feeling and, 17, 214 f.; 19, 138-41, 231, 269
- criticised, 19, 138 ff.
- paired comparison, *see* **Method: Paired comparison**
- single stimuli, *see* **Method: Single stimuli**
- Introspection**, 19, 138, 141; 23, 485 ff., 491 ff., 500 f.; 26, 499 f.
- Memory**, 11, 4 ff., 10 f.; 18, 210 ff., 232 f.; 25, 554-72
- 'ausage,' 15, 448; 21, 271; 23, 592; 24, 152; 25, 569
- 'ausage'-association, 24, 569
- combination, 25, 569 f.
- complete mastery, 6, 299 ff.
- distraction, 25, 571
- free association, 25, 555 ff., 30, 260-73; words used in, Kent-Rosanoff, 25, 592; Jung, 20, 219 f.; 25, 593; Jung-White, 25, 594
- inhibition, 23, 101
- paired associates, 28, 192
- perception, 25, 570
- recall, 18, 397-402; 25, 567 f.

- Method: Memory** (*continued*)
 recognition, 18, 211 f.
 reconstructive recall, 27, 493 ff.
 reproduction, *see* **Method: Memory**, 'aussage'
 right associates, 18, 211 ff., 397 ff.; 27, 420 ff.
 saving, 2, 589-603
 sentence, 25, 571
 'treffer,' 19, 43 f.
- Paired comparison**, belief and, 21, 580 ff.
 feeling and, 17, 363 f., 380 f.; 20, 159, 175; 27, 157 ff.
 formula for computing degree of opposition of *P* and *U* curves, 27, 161 footnote
- Passy's**, of studying smell qualities, 10, 88
- Pathological**, 23, 230 f.
- Psychoanalytic**, *see* **Psychoanalysis**
- Psychological**, 1, 547, 551, 735 f.; 12, 272; 26, 497-505
- Psychophysical**, 1, 271-309; 2, 669; 4, 577-80; 15, 455; 17, 585-93, 19, 436
 average error, 1, 273, 292-6; 5, 102, 287; 13, 2 f.
 constant stimuli, 24, 275; 26, 152-7; 28, 280-9; 588
 just perceptible differences and, 25, 140 f.
 Rich's checking table for, 29, 120 f.
 Safford's criticisms of, 22, 94-8
 simplification of, 25, 121-30
 Urban's, notation compared with Titchener's, 28, 290; reply to Safford's criticism, 22, 298-303; tables, 28, 280-9
see also **Method: Psychophysics**, right and wrong cases
 constant stimulus differences, 28, 289-93
 equal sense distances, *see* **Method: Psychophysics**, mean gradations
 equivalents, 1, 318 f.; 26, 300 ff.
 equal interval, 5, 370 f.
 gradual increment, 1, 302-5
 just observable differences, 1, 272-77
 just noticeable differences, 1, 272-77; 10, 106 f., 108, 127 f.; 18, 386 f.; 25, 140 f.
 just perceptible differences, 18, 386 f.; 25, 140 f.
 limits, *see* **Method: Psychophysics**, gradual increment, just noticeable differences, minimal changes, regular variation
- Method: Psychophysical** (*continued*)
 mean gradations, 1, 192, 310; 12, 75 ff.
 minimal changes, 4, 577-80; 10, 108
 regular variation, 4, 577 ff.
 right and wrong cases, 1, 272, 277-91, 305-8; 5, 101 f., 287, 292, 384; criticised, 1, 277-291; doubtful judgements and, 1, 281 f.; formulae for, 1, 305-8; smell and, 10, 109
 series, 4, 217 ff.; 5, 245; 20, 1 f.
 Question, 19, 139; 21, 594; 22, 553; 24, 429-40; 25, 572; 27, 120 ff.
 advantages of, 22, 37 ff.
 criticisms of, 19, 139; 22, 14 f.
 kinds of report furnished, 22, 556 f.
 Quantitative, 16, 228 f., 547
 Questionary, criticised, 9, 239 f.; examined, 6, 557 f.
 Scientific, in history, 30, 339, 345-76
 Single stimuli, belief and, 21, 567-580; feeling and, 7, 57 ff., 20, 178 ff.
 Statistical, in psychophysics, 19, 436
 Test, *see* **Tests**
 Trial and error, 20, 111, 113, 116, 332
- Metric form**, *see* **Meter**
- Metronome**, *see* **Apparatus**
- Migration**, 11, 275
 Food quest and, 6, 642
 Historical, 10, 55 ff.
 Kinetogenetic theories of, 10, 32-6
 Migrant *vs.* home-lover, 10, 80 f.
 Of animals, 10, 27-45; their causes, 21, 343; in legend and popular interest, 10, 1 ff.; domestic, explanation of, 10, 44
 fishes, 13, 415 f.
 peoples, traditions of, 10, 2
 primitive man, 10, 45-64
 psycho-physiological attunement with cosmos, 10, 26 f.
 theories of, 10, 32-9
 tramp at home, 3, 402
see also **Animals; Anthropology**
- Migratory instinct**, differentiation of, 10, 63 f.; examples of, 10, 3 f.; in the individual, 10, 57-64
- Military psychology**, 13, 171, *see also* **Soldier; War**
- Mimetic movements**, 13, 580; 14, 260; in insanity, 1, 341
- Mimicry**, 12, 276; in children, 22, 470; arraignment of theories of warning colors, 21, 500
- Mind**, 20, 101
 Activity of, 14, 347
 Analysis of, 13, 269
 Animal, 20, 221,
 Animism, 19, 159 f., 186 f.

Mind (*continued*)

- Animistic interpretation of, 29, 436
 As action, 30, 257; as a compound, 11, 166 ff.
 Association, 12, 401
 Atomist idea, 29, 439
 Blindness, 22, 66
 Body and, 13, 171; 14, 263; 16, 184 ff.; 23, 162; Binet on, 17, 422 f.; correlated, 25, 476-80; genetic parallelism of, 11, 181-224; Strong on, 15, 119, 302-5; telegram argument, 20, 596; phenomena accompanying psychic processes, 22, 449 f.
 Brain and, 13, 169; 30, 254, 257 f.
 Child's, 13, 578; unconscious, 30, 324
 Conduct and, 30, 432 f.
 Continuity of, 9, 130
 Criterion of, 11, 172-7
 Darwin's idea of, 9, 540-3
 Disorders of, 20, 291
 Dreams as, 29, 436
 Dualistic experiences as, 29, 438
 Duality and origin of, 29, 438
 Effects on body, 10, 499-502; 18, 20 ff., 32; 22, 471; in faith cures, 10, 431-502
 'Entelechy' of the body as, 29, 439
 Evolution and, 13, 578; 22, 320; 22, 453 f.
 Experience and, 22, 162 f.
 Expressed in terms of identity and difference, 9, 130
 Feminine, 29, 449 f.
 Greek conception of, 4, 188
 Hobbes' concept of, 11, 49 f.
 Human, 29, 272
 Illusion as, 29, 436 f.
 Interaction of body and, 20, 596
 Investigation of, in animals, 26, 619
 Life and, 19, 432
 Masculine, 29, 449 f.
 Mental duet, 29, 449; physiology, 7, 290
 Nervous system and, 1, 691 f.
 Non-introspective characterizations of, 23, 444 ff.
 Normal constitution of, 29, 272
 Of animals and of men, 19, 148; man 16, 243 f.
 Origin and functions of, 19, 197-202; sixteen origins of, 29, 43-41
 Other powers of, in relation to memory, 10, 253
 Paramœcia lack, 10, 514 f.
 Phenomenology of, 22, 309 ff.; Hegel on, 22, 132
 Physiological argument for, 29, 438

Mind (*continued*)

- Primitive, 20, 220; culture and, 16, 556
 Protozoan, 11, 166-180; indicated by life, 10, 503-6
 'Psychic' of individualism, 29, 439
 Reading, *see* Spiritism: Telepathy
 Relation to body, Darwin on, 9, 543-8; Hobbes on, 11, 50 f.; theories on, 9, 548 f.; *see also* Mind: Body
 Rhythm in, 10, 20-7
 Sex differences in, 29, 449
 Soul as, 29, 437
 Spinoza's concept of, 18, 514-8
 Subnormal, constitution of, 29, 272
 Supernormal, constitution of, 29, 272
 Survival value of, 9, 537-40
 Theory of, 20, 149; in Pali literature, 26, 471
 Training, 7, 441
 Twist vs. brain-spot hypothesis, 23, 230, 233 f.
 Types of, 13, 271
 Unsoundness of, 22, 468
 Use of, 14, 630
See also Animals; Body; Consciousness; Mental
- Minimal-changes**, method of, *see* Methods
- Miracles**:
 Christian, 20, 246-50; virgin birth of Christ, 15, 114 f.
 Cures, 9, 492 ff.; 20, 218-68; biblical, 20, 239-47, 262; bibliography on, 20, 265-8; Christian, 20, 246-50; Hebrew, 20, 239; modern, 20, 252; psychological interpretations of, 20, 260; *see also* Faith cures
 Deception in religious, 11, 447-51, *see also* Religion
- Mirror** contrasts, 5, 406
 Reading, unidexterity and, 29, 236
 Script, learning of, 22, 193 f.
 Writing, 1, 541; tendency inborn, 27, 204 ff.; *see also* Inversion: Double
- Mirth**, *see* Laughing; Laughter
- Mislaying** of objects, 22, 506 ff.
- Misoneism**, crime (political) and, 3, 386
- Misprints**, 22, 503 f.
- Misrepresentation** in report, 24, 152, 169
- Mississippi** scheme, 18, 42 f.
- Mixed** contrasts, 5, 405; feelings, *see* Feelings: Mixed
- Mneme**, 21, 511 f.
- Mnemonic** sensations, 20, 594; relation to original sensations, 21, 511

- Mnemonics**, ancient and medieval systems, 2, 85-8; Bacon on, 2, 69; discrimination and, 18, 339 f.; Kant on, 2, 229; modern systems, 2, 179, 343; Quintilian on, 2, 55; *see also* **Memory**
- Modalities** of sensation, in rat, 12, 232-239
- Models**, *see* **Apparatus**
- Modern culture**, 19, 144
- Modesty**, clothes occasioned by, 27, 217 ff.; shame and, 26, 232 f.
- Monastic training** of youth, 6, 77 f.
- Mongrel**, race or, 20, 152
- Monkeys**, *see* **Animals**
- Monotheism**, 20, 223; *see also* **Religion**
- Monsters**, cyclopean, 2, 630
- Moods**, 2, 509; in musical enjoyment, 23, 277 ff., 299; of memory and of imagination, 21, 447 f.; test of, 30, 302 f.
- Moon**, children's fancies of, 14, 88-91; in childhood and folklore, 13, 294-318; omens of, 14, 44; worship, 13, 312-15
- Moral**:
- Aim, 27, 155
 - Discipline of children and the theory of recapitulation, 29, 371
 - Effect of Black Death, 18, 11-16
 - Element, in dreams, 16, 27
 - Ideas, 23, 473 f.; origin and development of, 21, 334
 - Imperative, neural mechanism of, 8, 544-8; psychology and physiology of, 8, 528-59
 - Impulse, in Kant, 23, 387 ff.
 - Insanity, 1, 198; 15, 586
 - Judgments, aesthetic criterion, 9, 199 f., 221-31; certainty of, 9, 201, 220; consistency of, 9, 214-17; contradictory opinions of, 9, 206-14; custom influences, 20, 154; diversity of, 9, 206-18; doubts in making, 9, 220; fundamental nature of, 9, 199 f., 221-31; immediacy of, 9, 201, 218 f.; intuition in, 9, 218, 231; law of right and, 19, 364; method for investigation, 9, 199-234; motives prompting, 9, 199 f., 221-31; objective study of, 9, 198-234; personal equation in, 9, 218; sex difference in immediacy of, 9, 219, 230 f.; test of, 9, 202 ff.; types of, 9, 222; uniformity of, 9, 200 f., 206-18; utilitarian criterion of, 9, 199 f., 221-31; *see also* **Judgment**
 - Obligations, 9, 408 f.
 - Self, psychology of, 9, 130
- Moral** (*continued*)
- Sense, 24, 522
 - Sentiments, evolution of, 9, 248 f.
 - Values, principles of conduct, 29, 234
- Morality**, 6, 141 f.; arrested psychic development, 11, 192-205; origin and development of, 21, 334; primitive, 29, 387; psychic rudiments and, 11, 181-224
- Morals**, day dreaming and, 15, 477-81; emotion and, 15, 575-8; psychosociological basis of ethics, 19, 431
- Morbid fears**, list of, 25, 171 f.; psychology review for 1889, 3, 212 ff.; *see also* **Psychiatry**; **Fear**
- Morbidity**, day dreaming, 15, 483-8
- Mormon**, Book of, authorship, 28, 373-389; 30, 66-72; criticism of article on, 30, 66-72; rejoinder to criticism, 30, 427 f.; psychological tests for authorship of, 28, 373
- Moron**, *see* **Abnormal**: Feeble-minded
- Morphine habit**, 2, 501; effect on nerve cell, 9, 129 f.; *see also* **Drugs**; **Habit**
- Mosquito**, *see* **Animals**
- Motion**, bilateral asymmetry, 4, 155; cutaneous, judgments of, 4, 143; development of, 20, 69; progressive sensations, 4, 151; psycho-physical reaction to environment, 20, 67; sensations of, 4, 154; *see also* **Movement**
- Motivation**, 23, 343
- Motives**, 27, 287 f.; of human conduct, 30, 358-374; of moral judgments, 9, 199 f., 221-31; religious, 7, 312-22
- Motor**:
- Ability, school success, intelligence and, 17, 395-404; voluntary, 5, 125-204; bibliography, 5, 203; bilateral asymmetry, 5, 163, 168 f., 172 f., 202; bilateral correlation, 5, 164; bilateral symmetry, 5, 163, 167 f.; bilaterality in, 5, 201; development of, 5, 125-204; *see also* **Tapping-test**
 - Activity, 17, 293-305; birds and, 17, 267-268; comic impression and, 16, 89 f.; during sleep, 16, 5, 34; ocular, 16, 199 ff.; manic-depressive insanity and, 17, 40-67; rats and, 11, 81-98; unconscious, 16, 547; voluntary of right arm, 16, 357 ff.
 - Adjustment, speed and accuracy of, 29, 127
 - Areas of cerebral cortex, sensory functions of, 6, 444 f.
 - Center, 5, 275
 - Consciousness, 24, 216

Motor (*continued*)

- Development, of chicks, 10, 265-76
- Diffusion, characteristic of mania, 17, 67
- Distraction, *see* **Distraction**
- Disturbances, tics, 15, 592
- Effect of sensory lesions, 5, 550
- Elements in imagery, 1, 547 f.; 17, 127-33; imagined reference and, 17, 128 f.
- Expression, study of, 1, 200
- Function, 5, 273
- Habits, mental types and, 20, 282 ff.
- Image, motion image and, 13, 537-41; *see also* **Kinaesthetic**: Image
- Impulse, 5, 273; diffusion of, 12, 274
- Inhibition, in insanity, 19, 281
- Pathways, 2, 511
- Phenomena, in mental effort, 7, 491-517; questionnaire on, 7, 492
- Processes in arithmetic, 17, 3 f., 7, 13-5, 18 f., 24-29, 32 ff.
- Reactions, 6, 242 ff.; in musical enjoyment, 23, 263 ff., 298
- Reinforcement in visual imagery, 27, 88, 108 f., 115 ff.
- Sense, 5, 245, 371; psychophysical series and, 4, 217
- Set, 22, 181 ff.
- Speed tests, *see* **Tapping-test**
- Tendencies, emotion and, 6, 652
- Theory, of attention, 8, 8 ff.; of consciousness, 17, 293, 296-302; Spinoza's, 18, 518; Münsterberg on, 15, 300
- Verbal images, 8, 420
- Motorization** in reading, 12, 308 f.
- Mouse**, representing soul, 15, 135; *see also* **Animals**
- Mouth-key**, *see* **Apparatus**
- Movement**:
 - Accuracy in handwriting, 17, 398-404
 - Arm, 14, 625 f.; 20, 374-85
 - Asymmetrical, 5, 275 f.
 - Concomitant, 24, 283
 - Consciousness and, 22, 473
 - Development in infants, 2, 506 f.
 - Different parts of body, maximum rate of, 5, 138
 - Eye, 2, 157 f.; *see also* **Eye-movement**
 - Form-perception and, 12, 191
 - Fundamental, 14, 626
 - Group, 28, 515
 - Hand, experiments in, 4, 514-27
 - Inaccuracy of, 20, 595
 - Infant's, arm, 12, 14; chest, 12, 16 ff.; climbing, 12, 34 f.; compared with other vertebrate young, 12, 11 f.; creeping, 12, 31 f.; early, 26, 525-

Movement: Infant's (*continued*)

- 39; fingers, 12, 15 f.; grasping, 12, 9 f.; head, 12, 26; hitching, 12, 31 ff.; legs, 12, 18 f.; prenatal, 12, 4 f.; rolling, 12, 29 f., 33; spontaneous and voluntary, 12, 23 ff.; standing, 12, 37 ff.; thumb, 12, 15; up and down stairs, 12, 36 f.; walking, 12, 39 ff.
- Involuntary, 5, 224-31; of eye-minded observer, 5, 230; of hand, 4, 398-407
- Isotonic, contractions, 14, 529 f.
- Literature on, 5, 549 f.
- Macro-group, 28, 372
- Maximum rate of, 19, 345, 444
- Micro-group, 28, 372
- Nest building, 30, 173-86
- Organic, psychology of, 17, 293-305
- Perception of, 5, 240-4
- Phenomena, in darkened field of vision, 19, 500-3; visual, 19, 500-3
- Precision of, 5, 177-96
- Probing, 5, 192-5, 202, 204
- Rate of, *vs.* age, 19, 347
- Sensation, ataxia and, 1, 324 f.; Delabarre on, 5, 275; in dark field, 1, 741; joint the origin of, 12, 346-53; limen for passive movements, 1, 532 f.; ocular, 2, 157 f.; *see also* **Innervation**; **Joint**; **Muscle**; **Muscular**
- Sensory basis of judgment and, 19, 319
- Simple unitary, 28, 515 ff.
- Survivals from aquatic life, 10, 176 f.
- Symmetrical, 5, 163-9, 174 f., 275 f.; errors in, 4, 427
- Voluntary, 19, 345, 437; 21, 513-62; 23, 594
 - effect of amplitude on rate, 5, 150
 - fatigue and, 19, 353
 - in hemianaesthesia, 3, 135 f.
 - influences affecting rate of, 5, 138
 - Külpe's theory of, 21, 555 f.
 - neurology and, 21, 542-54
 - of elbow, 5, 140 f.; forefinger, 5, 141; left-handed children, 5, 175; shoulder, 5, 140; wrist, 5, 141
 - precision of, 5, 177
 - rate of, 5, 176; affected by local cold, 5, 144; by local fatigue, 5, 144; by age differences, 5, 160, 169; by dextral differences, 5, 161-3, 175
 - sex differences, 5, 151-6, 160, 171-5
 - speed of, 4, 427, 514-27
 - Stout's theory, 21, 555
 - Wundt's theory, 21, 555

- Movement: Voluntary** (*continued*)
 walking, not learned, 12, 42 f.
see also Tapping
- Moving mania**, *see* Planomania; picture, *see* Photoplay
- Mucous membrane**, sensibility of, in singing, 1, 205
- Müller-Lyer illusion**, 3, 207 f.; 16, 547; *see also* Illusion
- Multiple neuritis**, etiology of, 4, 336 ff.; personality, *see* Abnormal: Altered personality; psychical disorders of, 1, 339
- Multiplication**, psychology of, 17, 15-22; *see also* Mathematics
- Münsterberg-Jastrow phenomenon** (rod-and-disk illusion), 5, 401
- Murder**, *see also* Crime; contagious, 3, 228, 420
- Muscle**, 5, 178 f., 549
 Contraction, rhythm, 2, 334; rhythmic waves in voluntary, 1, 740; theory of, 2, 490 f.
 Effect of finger movement and pressure on, 14, 513
 Habit, 5, 135
 Infantile, 12, 9 f.
 Isolated, action studied, 14, 510
 Memory, 1, 741; 7, 453
 Nerve-circuit of, 5, 272 f.
 Reaction, *see* Reaction
 Reading, 22, 133
 Relative sensibility of large and small, 12, 240-63
 Sense, 4, 151 f.; 5, 93, 273, 284, 467; hallucinations of, 3, 137; as reflex stimulus, 15, 561
 Sensation, 20, 380, 396, 443; innervation and, 2, 656; joint sensation and, 2, 514
 Testing, in fatigue problem, 19, 386
 Vibrations, 5, 137
 Voluntary, 5, 272 f.
- Muscular:**
 Activity, effect on mental activity, 1, 191
 Atrophy, 1, 540; progressive, 12, 52 f.
 Insufficiency, 1, 356
 Sensibility, in singing, 1, 205; instrument for testing, 1, 713
 Strength, attention and, 20, 492, 503-9; measure of mental activity, 20, 489
 Tension, graphic record of, 1, 324
 Tonus, *see* Tonus
- Music**, 6, 50 ff.; 22, 445; 25, 145
 American Indian, 6, 283, 285 ff.; primitives, specially of the Ojibway, 21, 332
 Appreciation of, 17, 138 f.
- Music** (*continued*)
 Bibliography (classified), 23, 302-8
 Chord, 14, 569; affective values of, 17, 363-80; memory of, 14, 468; recognition in absolute pitch, 18, 198 f.
 Chromesthesia from, 5, 26 f., 446; *see also* Synaesthesia
 Church, 19, 286
 Comic effect influenced, 16, 66 ff.
 Descriptive reactions to, 23, 274 ff., 300
 Effect of, on breathing, 17, 406-14; on different people, 14, 473; on knee-jerk, 1, 58-61; on tarantism, 18, 30
 Expressiveness, 4, 558-76; 5, 42-73
 Falling inflection, 14, 458
 Harmonized, effect of, 14, 476
 Laws of evolution of, 21, 345
 Orchestration, 26, 462
 Origin, 23, 342; and development of, 6, 459 f.
 Philosophy and, 7, 440; of, 23, 145 f.
 Physical basis of, 24, 591
 Primitive, *see* Anthropology
 Psychology of, 6, 287 f.; 13, 169; of enjoyment of, 23, 245 ff.; experimental study in, 14, 456-78
 Psychological theory of, 12, 609
 Psycho-physiology and, 7, 440
 Scales, diatonic, 5, 55
 Sensible discrimination of, 14, 559
 Third, major, 14, 465; minor, 14, 465
 Unconscious, 22, 320
See also Rhythm
- Musical:**
 Ability, aphasia and, 2, 175, 347, 517; in idiots, 2, 507 f.
 Appreciation, 9, 63-9
 Association, 5, 265; colored, 5, 446, *see* Synaesthesia
 Capacity, tests of, 16, 302 ff.
 Enjoyment, emotions in, 23, 277 ff., 298 ff.; individual differences in, 23, 285 ff.; mental content of, 23, 253 ff., 298 ff.; motor reactions in, 23, 263 ff., 298; physiological changes in, 23, 251 ff., 298; study of (bibliography), 23, 245, 308
 Expressiveness, 4, 558-76; 9, 63-9; test of, 5, 42-73
 Instruments, among primitive peoples, 16, 127 f.
 Sounds, memory for, 10, 369 f.
- Mutation**, 21, 336; *see also* Evolution
- Mutilation** at puberty, 6, 65 ff., 73 f.
- Mutism**, due to scarlatina, 5, 75
- Myelocytes**, function of, 1, 494

- Myograph, dynamometric, *see* Apparatus
- Myosis, produced by urine of insane, 5, 78
- Mysophobia, *see* Abnormal; Fear
- Mystery, potent element in suggestion, 10, 483
- Mystic consciousness, 8, 424
- Mystics, 23, 481; Christian, 14, 403
- Mysticism, 10, 598; case of Margareta Ebner, 27, 404 ff.; drugs effect on, 28, 578; essay on mystic introversion, 29, 353; history and psychology of, 19, 412; hysteria and, 27, 404 ff.; pathology of, 19, 573; primitive religion and, 27, 171 ff.
- Myth, cosmic phenomena explained in, 21, 379, 383 f.; dream and, 21, 168; hero birth, psychologically interpreted, 21, 168; psychoanalytic interpretation of legends, 21, 104-10; wish fulfillment and symbolism in, 21, 168; *see also* Folk-lore
- Myths, American Indian, 8, 133; four stages of, 14, 63-6; Indo-European origin, 9, 248, 411; Negro, 1, 729; 2, 519-42; Sun, 14, 44 ff.
- Mythology, all races, 27, 579; 28, 460; ancient German, 12, 389; Indo-European, origin of, 9, 248; medical, of Ireland, 1, 550; tree in, 9, 132, 467-77, 481-95
- Nakedness, sexual education and, 20, 297-317
- Name-association, 5, 455
- Names, pet and nicknames for children, 9, 368-372; proper, origin of, 9, 371
- Napoleon, 22, 472
- Narcosis, 6, 35; inhibition and irritability in, 16, 141; *see also* Abnormal
- Nasal passages, test for obstruction of, 10, 105
- National psychology, American people, 21, 345; natural history of the state, 27, 153
- Native sons, psychology of, 30, 27-39
- Naturalism, 23, 152 f.; psychological notion of the present world, 3, 266 f.
- Naturalization of the supernatural, 20, 294
- Nature, man and, 22, 134; metaphysics of, 20, 294; nurture *vs.*, 14, 589; races and culture races, 21, 512
- Nausea, 20, 391, 399, 415, 431 f., 437
- Near-sightedness, school conditions and, 3, 292
- Nebraska, University of, psychology at, 3, 276
- Necrology, *see* Obituaries
- Nectura, *see* Animals
- Negative after-image, 5, 402, *see also* After-image
- Instruction, 23, 183 ff.; consciousness under, 24, 565; positive *vs.*, 22, 210 ff.
- Sensation values, 3, 288 f.
- Negro, experimental study of, 27, 578; folklore in Bahamas, 2, 519-542; memory in, 10, 240; myths, 1, 729; races, 26, 308-10; sociology, 23, 340; *see also* Anthropology
- Neo-Christian movement in France, 5, 496-539
- Neologism, in dreams, 21, 293 f., 321; in insane, 2, 504
- Neoplatonism, 7, 445
- Nerve:
- Cell, 8, 123; alcohol poisoning, effect on, 9, 128; basis of neurology, 6, 288 f.; cells, general, and, 13, 455; chromatin-content affected by work, 9, 129; electrical stimulation and, 6, 637 f.; function of, 21, 347; Golgi staining method, 1, 216 f.; Golgi's theory of, 1, 696 f.; life-history of, 6, 637 f.; morphine's effect on, 9, 129 f.; normal activity affects, 6, 447 f.; nutritive function of, 1, 219 f.; paralysis of, in cervical ganglia, 3, 556; pathology of fibrous partition of, 15, 591 f.; physiological and pathological conditions affect, 9, 129; structure and connections of, 6, 289
- Circuit, 24, 205; sensori-motor, of muscles, 5, 272 f.
- Control and how to gain it, 30, 117
- Cranial, *see* Brain
- Electrical resistance of, 6, 293 f.
- Electric current in, results of, 14, 606
- Elements, histogenesis and connection of, 3, 544 ff.
- Embryology of, 2, 153 f., 165 ff.; 8, 126
- Energy, nature of, 20, 77 ff.; super-abundant in play, 9, 236
- Fiber, 14, 610; cellular constitution of, 3, 95; fatigability of, 6, 291; regeneration of, 11, 594; severance of, 6, 290; structure of, 4, 302; temperature changes affect, 6, 446 f.
- Force, 9, 545 f.
- Functions, mechanical analogies of, 24, 555
- Heat production in during excitation, 4, 452 f.

- Nerve** (*continued*)
 Impulse, relation to stimulus, 10, 151
 Influence of, 15, 529
 Inhibition in, 14, 606
 Mammalian, infatigability of, 3, 556 f.
 Olfactory, of Laura Bridgman, 4, 273 ff.
 Pilo-motor, 4, 451
 Regeneration of, 2, 468
 Spinal, cranial and, 2, 299-304, 307 f.; distribution of, 2, 347
 Strain, insomnia and, 19, 573
 Terminations in frog's terminal disks, 3, 194 f.
 Vertebrate, evolution of, 2, 467 f.
 Wave, transmission of, 14, 608
See also Nervous; Neurology
- Nervi erigentes**, course of, 1, 489
- Nervous:**
 Arc, primary fatigue of human, 24, 1 ff.
 Child, *see* Child
 Circuits of voluntary movement, 24, 205
 Disease, 23, 160; cerebral and, 19, 434, 571, 573, 575; mental and, 20, 290 f.; textbook of, 22, 319; 'Those Nerves,' 21, 180; treatment of, 17, 142 f.; *see also Abnormal; Psychopathology*
 System, 2, 141-54, 299-314, 376-403, 623-36; 4, 113-41; 23, 343, 590, 594
 amyotrophic lateral sclerosis, 2, 632 f.
 anatomy of, 1, 210, 214-21, 328 f., 487-95, 691-702; 4, 451; 8, 577
 atrophy and degeneration of, 4, 295
 central, anatomy of, 4, 454 ff.
 conductivity of, 14, 593-614
 diseases of, 1, 345 f.; 6, 475, 634; 14, 615; 20, 153
 end-organs, *see* End-organs
 ganglion cells, alcohol's effect on, 8, 131
 genetic study of, desired, 13, 408 f.
 head, origin of vertebrate, 8, 126
 histological development of, 6, 450, 634 f., 639
 histology of, 1, 328 ff., 487-495, 696 f., 699 ff.
 hygiene of, in school, 7, 441
 levels of, 1, 336 ff.
 literature on, reviewed, 4, 451-60
 Mercier on mind and, 1, 691 f.
 neurodynamics, 20, 71-9
 post-mortem examination of, 2, 494 ff.
- Nervous: System** (*continued*)
 psychodynamics, 20, 80-4
 state indicated by sensory limens, 26, 428-37
 stimulation in development of, 23, 38-55; bibliography, 28, 55
 sympathetic, 6, 292
 textbook (Van Gehuchten) on, 17, 424 f.
 trigeminal nerve, paralysis of, 1, 701 f.
 trophic influence of, 6, 451 ff.
 unity of action of, 1, 199
see also Excitation; Neurology
- Nervousness**, precocity and, 16, 168 f.; stages of, 14, 363
- Nesting activities**, *see* Animals: Bird
- Neural activity**, emotion and, 25, 261 ff.; correlates of instincts and habits, 30, 377-405
- Neurasthenia**, *see* Abnormal
- Neurodynamics**, 20, 71-9
- Neurokeratin**, 3, 191 f.
- Neurology:**
 Action current, 10, 151
 Amoeboidism of the cells, 10, 317; 12, 164-8
 Anatomical mechanisms of ideas and attention, 7, 428
 Biological investigations, 7, 425
 Brain and spinal chord, anatomy of, 19, 145
 Central nervous system, anatomy of, 13, 454
 Cerebral localization, 13, 169; pathways, 7, 280; problems, new and old, 21, 171
 Defective cerebellum of a puppy, 7, 427
 Diseases of the nervous system, 10, 159, 310 f., 313, 598 f.
 Experimental, degenerations after cortical lesions in monkeys, 7, 274; investigation of eye-movements, 7, 279; studies in operations on brains, 7, 276
 Function, of frontal lobes, 7, 426; of nerve cells, 21, 347; of the nervous centers, 21, 173
 Growth of the brain, 7, 123
 Hygiene of nerves and mind, 19, 146
 Laboratory outline of, 29, 235; 30, 431
 Lesions produced by poisons on cortical nerve cells, 7, 428
 Literature, 7, 274-84; 11, 430; 27, 152
 Mendelejew's brain, 21, 347
 Nerve cells, and cells in general, 13, 455; their structure, 7, 127

Neurology (*continued*)

Neural hygiene, 21, 180
 Neurological and mental diagnosis, 20, 153; technique, 13, 171
 Psychology and, 1, 209-21
 Sense organs of *Lumbricus agricola*, 7, 284
 Voluntary movement and, 21, 542-54
See also Brain; Nerve; Nervous; Neurone; Textbooks
Neuro-myology, Savage on, 17, 141
Neurone, amoeboid movements of, during sleep, 12, 164-8; theory, 11, 594; sleep according to, 12, 165-8
Neuropathology, psychopathology *vs.*, 23, 230 ff.
Neurophysic law, 1, 184 f.
Neuroses, *see* Abnormal
 New, hatred of, 3, 386
New England, religious position of, 13, 560; review of early history of, 13, 550-553
New-Hegelians, 5, 487
New Thought, 28, 464; 30, 430
New York College for training teachers, psychology in, 3, 277
Nietzsche, 14, 119; 23, 468, 588 f.; aesthetics of, 12, 278; aphorisms of, 11, 124; moral aims of, 27, 155; philosophy of, 9, 599; 12, 276, 392; the thinker, a study, 29, 124
Night, as body, 19, 26; as death, 19, 19 f.; bibliography on, 19, 41 f.; birth-rate during, 19, 21; blindness of normal fovea, 6, 30; children's fancies of, 14, 29; day *vs.*, in mythologies, 19, 38 ff.; dead and, 19, 22 f.; evil time, 19, 23-6; fears, 21, 215 f., 257, 265; 25, 189-200; folk-psychology of, 19, 19; hospitality and, 19, 33; literature, art, and, 19, 40 f.; marriage and, 19, 27 f.; meals and, 19, 33; measurer of time, 19, 36 f.; 'Mother,' 19, 20 ff.; psychology of, 19, 19-41; soother and counsellor, 19, 34; weather lore of, 19, 35; work and, 19, 31 f.
Nirvana, 28, 612
Nocturnal emissions, 15, 104-7
Noise, 5, 21, 25, 27; perception of, 1, 712 f.; simple, demonstrated, 14, 450; tests of acuity, 15, 42-9; tone *vs.*, 14, 450
 'Non-chance,' method, 5, 4, 17; series, 5, 2, 4
Non-recognition, 26, 375-8
Nonsense syllables, learning method, 19, 43 f.; preparation of, 24, 11; scoring method, 24, 525; 'Treffer' method, 19, 43 f.

Normal and sub-normal, 30, 429 f.
Normalism, philosophy of happiness, 21, 346
Nostalgia, age, sex and temperament *vs.*, 10, 74-7; bodily effects of, 10, 78 f.; cases, 10, 73 f.; psychic effects, 10, 78, 80
Nothing, definition of, 14, 297
Nouns, loss of, in aphasia, 1, 189
Novel occurrences, memory of, 10, 231-4
Nucleus, 14, 9 f.; function in protozoa, 2, 343
Number:
 Association, 5, 265; 13, 450 f.
 Checking test, 24, 83; practice gain in, 26, 65 ff.
 Concept of, 7, 442
 Favorite, 2, 483 f.
 Form, 5, 265, 270, 440-64; 7, 94, 98 ff.; 12, 393; age of appearance, 8, 516 f.; examples of, 13, 355-60; frequency of, 8, 507-10; genesis of, 8, 506-27; inheritance of, 8, 520 f.; questionnaire on, 7, 105 f.; types of, 8, 511-16; used by mathematical prodigy, 18, 73 f., 81; utility of, 8, 518 f.; *see also* Form: Imaginal; Synaesthesia
 Guessing of, 14, 647; habits in, 14, 665
Odd, 14, 663
 Particularized, 14, 655
 Perception by animals, 1, 357
 Properties useful to calculators, 18, 69, 78 ff., 88-91, 93 f., 103
 Psychology of, 7, 300
 Repetitional, 14, 657
 Rhythm, time and, 13, 88-97
 Sacred, origin of, 6, 644
 Serial, 14, 658
 Symmetrical, 14, 658
 Test, English sparrow, 15, 329-46
Nursery rhymes and rhythms, 12, 369-82; stanza forms of, 12, 361-9
Nurture, nature *vs.*, 14, 589
Nutrition, children's growth affected by, 9, 272-82, 311
Nutritive processes, school life effects on health and composition of the blood, 26, 616
Nymphomania, *see* Abnormal

O

Obituaries:
 Aubert, Hermann, 4, 501
 Baird, John Wallace, 30, 120
 Balbiani, M., 11, 130
 Binet, Alfred, 23, 140 f.
 Brinton, D. G., 11, 130

Obituaries (*continued*)

- Chamberlain, Alexander Francis, 25, 470
 Dejerine, Joseph Jules, 28, 313
 Delboeuf, Joseph Remi Léopold, 8, 142, 312
 Dürr, George Ernst, 25, 319
 Ebbinghaus, Hermann, 20, 472
 Grote, N., 11, 130
 Hoppe, I., 4, 501
 Huey, Edmund Burke, 25, 319
 Holmgren, F., 9, 135
 James, William, 21, 605
 Külpe, Oswald, 27, 296
 Liégeois, —, monument to, 21, 180
 Lipps, Theodore, 26, 160
 Luys, J. B., 9, 135
 Mayer, A. M., 9, 135
 Meumann, Ernst, 26, 472
 Montgomery, Edmund, 22, 475 f.
 Motora, Yuzero, 24, 441 ff.
 Oliver, J. E., 7, 152
 Pierce, Arthur Henry, 25, 320
 Preyer, W., 9, 135
 Ribot, Theodule Armand, 28, 312 f.
 Smith, Theodate L., 25, 320
 Tylor, Edward, 28, 313 f.
 Witasek, Stephan, 26, 472
See also Biographies
- Object**, attribute and, confused by primitive man, 21, 377 f.; feeling, characterisation of, 29, 427; subject and, 27, 155
- Objective**, differentiae, of strong and weak odors, 10, 93; measure of attributive clearness, 29, 204; method, introspection and, 29, 208
- Obligation**, ontological ground of, 6, 648
- Observation**, data of, 23, 498 f.; formula, 23, 490 f.; inference *vs.*, in biology, 21, 350 f.; method of, 23, 486 ff.; statistical *vs.* physical measurements, 22, 299; *see also Testimony*
- Observer**, accuracy of judgment measured, 14, 581; tendencies of, 30, 2; types of, 6, 208 f.; 23, 176 f.; unmusical mental type, 14, 561, 566
- Obsession**, 14, 262; 24, 365; impulses and, 13, 579; 14, 260; psychasthenia and, 14, 262; 15, 589 f.; *see also Fixed ideas*
- Obstetrics**, hypnotism in, 1, 722
- Occipital lobe**, *see Brain*
- Ocular**, *see Eye*
- Occult**, beliefs, modern, and reasons for their development, 12, 272; experience, 22, 448; *see also Spiritism*
- Occultism**, 21, 172, 505; pathology of occult phenomena, 13, 579; spiritism and, 13, 324
- 'Odic' force**, questionnaire on, 2, 674 f.; *see also Hypnosis*
- Odor**, 5, 25, 94 ff., 98 f.
 Affective judgments of, 20, 179-82
 Associative power, 19, 557
 Classification, 10, 89 ff.
 Compensation, 10, 87 f.; 27, 435 f.
 Distraction by, 9, 45-55; 20, 488 f., 492
 Human body, as diagnostic, 1, 732
 Intensity, a function of DL, 10, 92 f.; determining factor, 10, 94 f.
 Mixed, examples of, 10, 89; permanency of, 10, 89
 Physiology of, 7, 289
 Pungent, 14, 413
 Qualities, number of, 10, 86 f.
 Rates of exhaustion, 10, 87
 Stimuli, preparation of solid and liquid, 10, 112-16
 Weak *vs.* strong, 10, 92 f.
 Weber's law applies, 10, 92 f.
- Odorimetry** defined, 10, 85 f.
- 'Oedipus' complex**, Hamlet's mystery explained by, 21, 72-113; Hamlet-problem and, 27, 373-6; *see also Incest motive*
- Ojibway Indian music**, 21, 332
- Ojibway-Nipissing**, taste-words in, 14, 411
- Old age**, 29, 78; and death, 8, 7-122; *see also Senescence*
- O'factometer**, *see Apparatus*
- O'factometry**, 10, 85; *see also Smell*
- Olfactory sensation**, *see Smell*
- Olfactus**, definition of, 10, 85 f.
- Oligomania**, 1, 199
- Onirotic condition** defined, 6, 32 ff.
- Onomatomania**, *see Abnormal: Neuroses*
- Onomatopœia**, in primitive peoples, 16, 130; psychology of, 5, 116-9
- Onotomania**, 1, 198
- Ontogenesis**, fear and, 25, 160
- Ontology**, 27, 250
- Opera**, French, psychology of, 8, 579
- Ophidiophobia**, 25, 347-56; *see also Fears: Snakes*
- Opium**, effect on reaction, 29, 128; habit, in animals, 1, 550; portrayed, 7, 294; *see also Drugs*
- Opossum**, *see Animals*
- Opposed-color processes**, von Kries' objection answered, 3, 281 ff.
- Opposite test**, academic performance and, 30, 307-10

- Oppositions and similarities, method, 27, 161
- Optic atrophy, 5, 541
Center in hen, 3, 193
Fibers, 5, 36 f.
Nerve, central ending, 2, 468 f.; course of, 6, 295; decussation of, 2, 469 ff.
- Stimulus, 5, 23
- Optical illusion, 4, 201-8; 5, 38, 99 f., 214; reversible perspective, 16, 401; *see also* Conjuring; phenomena, charts of certain, 9, 42 ff.; psychology, 5, 24
- Optics, adaptation and after-images, 15, 57; apparatus for, *see* Apparatus; contrast, 15, 58
- Oratorical rhythm, 7, 294
- Organic:
Changes during puberty, 30, 237 f.
Factors, in imagination, 21, 448 f.; in memory, 21, 448 f.
Individuality, 27, 292
Responses, peristaltic nature of, 30, 187-210
Sensations, 3, 110 f.; 14, 494; 20, 180, 273, 386-446; 23, 65; clinical evidence of, 20, 421-35; diffuseness of, 20, 393; expectant consciousness and, 20, 532, 539; experimentation on, 20, 391, 435-46; feeling and, 27, 164 ff.; histological evidence of, 20, 402-12; images of, 20, 395; importance of, 21, 410; introspection of, 20, 389; localization of, 20, 392 ff., 400; physiological evidence of, 20, 387, 395 ff., 412-21; qualities of, 20, 397-402; 26, 14-57; stimuli for, 20, 412-6
- Organism, smallest, size of, 19, 167
- Organization, physical, consciousness and, 25, 486 ff.
- Organs, functional tests of, 29, 352 f.; sex, show periodicities, 14, 6
- Oriental plague, *see* Plague
- Orientation, 4, 148-51; fears of losing, 8, 160 ff.; to gravity, 25, 321-30; horizontal, fears of losing, 25, 330-3
- Oriole, *see* Animals
- Ornament, 6, 46; of animals, 7, 165 f.
- Ornithological Committee, International, creation and object of, 1, 197
- Orthography, studies and experiments in learning of, 10, 306
- Oscillation of auditory stimuli defined, 18, 171-6
- Osmometer, *see* Apparatus: Olfactometer
- Overtone, recognition in judging of absolute pitch, 18, 196, 199, 201-5
- Owl, *see* Animals
- Ownership, sense of, development, 27, 172
- P
- Pacemaking and competition, 9, 507-33; bicycle racing, 9, 507-16; various forms of racing, 9, 516 f.
- Pacini corpuscles, functions, 2, 173
- Pain, 5, 25, 30, 59, 104-7, 279; 20, 104 f., 391, 393, 395 f., 399 ff., 406, 444 ff.
Adaptation, 30, 422 ff.
Affective, *see* Pleasantness; Unpleasantness
Attention affects, 10, 489-95
Bodily accompaniments of, 6, 21
Classification of, 6, 625
Cutaneous, 6, 625, 629 f.; childish desire for, 9, 10 f.
Heat-pain, 20, 438-41
Hobbes' doctrine of, 11, 54 f.
Localization of, 6, 292 f.; 20, 422-35
Measurements in 1507 school children, 10, 392-98
Nature of, 6, 625
Organic, in child, 20, 143
Pleasure and, 25, 151 ff.
Pressure and, 19, 294, 297, 299 f., 302, 304, 308
Sense of, 23, 64 f.
Sensitivity to, 11, 312-17; age, 10, 393-8; complexion and, 10, 393-8; intelligence and, 6, 621 f.; 10, 393-8; order of birth and, 10, 393-8; sex and, 6, 621 f.; 10, 393-8; sex differences, 6, 621 f.; 8, 137; variations in, 6, 621 f.
Specific energies and, 13, 580
Studies reviewed, 7, 109-23
Summation and, 2, 503 f.
Superficial, adaptation to, 30, 422 ff.
Temperature sensations and, 6, 649
Theories of, 10, 489-95
Unpleasantness and, 6, 20 f.
Visceral disease and, 6, 292 f.
See also Cutaneous: Sensation
- Paired associates, with sound distraction, 28, 192; comparison method, feeling and, *see* Feeling; Methods
- Pairing season, ancient, evidence of, 10, 52; *see also* Mating
- Palaeolithic man and Terramara settlements in Europe, 24, 590
- Palaeontology, 22, 321
- Palate, soft, muscles of, 2, 672
- Palestine, peasantry of, 20, 467
- Pali literature, mind in, 26, 471
- Palladino, *see* Psychological Research
- Palsy, *see* Abnormal

- Panics, history of, 28, 160
 Pantheism, *see* Religion
 Paracentral color vision, *see* Vision
 Paradise, water and, 10, 205 f.
 Paradoxical error, two-point limen and, 29, 227
 Parallax, binocular, sensation of, 14, 158
 Parallelism, 22, 158 f.; psychophysical, 16, 184 ff.; 23, 230 ff.
 Paralysis, *see* Abnormal
 Paramnesia, 2, 431-64, 510 f.; 5, 263, 324, 336 f.; 10, 161; 22, 504 f.; 26, 378-81; bibliography of, 24, 65; daily life and, 24, 52; familiarity-feeling, 7, 249-52; identifying phase, theories, 24, 57; illusions, 10, 161; literature on, 1, 537 f., 735; 16, 388 ff., 550 ff.
 Paramoecium, *see* Animals
 Paramyoclonus, multiple, 1, 364
 Paranoia, *see* Abnormal
 Parenthood, psychology and, 26, 620
 Paresis, *see* Abnormal
 Parsimony, law of, 12, 228
 Passions, 19, 261
 Paternal instinct, 7, 173 f.; 26, 620
 Pathography, defined, 21, 277
 Pathological psychology, *see* Abnormal
 Pathology, method, 23, 230 f.; parallelism of bodily, mental and moral, 11, 181-224
 Pathophobias, *see* Abnormal
 Pauperism, as defective development, 11, 192-5; heredity and, 3, 399 f.; insanity and, 3, 400; or prosperity, 3, 398 f.; *see also* Poverty
 Pavlov, *see* Pawlow
 Pavor nocturnus, a type of fear, 25, 189-200
 Pawlow's method, 22, 474
 Peace and war, instincts of the herd in, 27, 578
 Pedagogical problems, nature of the soul, 9, 374, *see also* Soul; significance of attachment to water, 10, 226 f.
 Pedagogy, experimental, 20, 584; experimental psychology and, 24, 292; hand and eye training, 10, 161; Herbartian, 10, 158; modern educators and their ideals, 20, 462; moral, 11, 220-4; the recitation, 19, 286; *see also* Education
 Pendulum chronoscope, *see* Apparatus
 Pennsylvania, University of, psychology in, 3, 281
 Peppermint, 'feel' vs. 'taste' of, 14, 413
 Perception, 5, 20, 24, 35 f., 38, 99 f., 220, 223, 239 f., 279, 286 f., 295, 434; 22, 473; 23, 160 f.
 Perception (*continued*)
 Analysis of, 19, 362
 Apparent size and nearness of the moon on the horizon, 18, 264 f.; of objects at the horizon, 2, 657 f.; *see also* Illusion: Horizon
 Apperception and, 11, 304
 As meaning, 22, 561 f.
 Association and, 7, 285, 287
 Attention and, 28, 558
 Bacon on, 11, 57 f.
 Child's, experimental study of, 26, 470
 Conjuring and, 11, 484-8
 Depth, *see* Depth-perception
 Development of, 23, 68 f.
 Empedocles on, 14, 310 f.
 Experimentation, up to 1904, 16, 215; 1899 to 1909, 21, 414 f.
 Hallucination vs., 17, 134, 136
 Illusory, of geometrical forms, 9, 396-404
 Imagination vs., 21, 428-35
 Involuntary movement and, 8, 396-401
 Meaning of, 28, 520-7
 Memory-image in, 11, 16 ff.
 Method, 25, 570
 Monocular, 6, 593 ff.
 Motor elements of, 19, 403
 Of auditory symbols, 12, 87-102; contexts influence, 12, 93-8; symbolic elements, 12, 99-102
 change, 10, 318, 603
 depth, 5, 263; 7, 414-8; by accommodation, 7, 415 f.; by interposition, 7, 416 ff.; light-intensity and, 7, 518-532
 discreteness, 5, 308
 equivocal figures, 7, 419-22
 form, cutaneous, 10, 143-7
 letters, 22, 557 ff.
 lifted weights, 17, 497-521; theory of, 17, 521
 movement on the skin, 19, 245
 mutilated words, auditorily presented, 12, 87-102; visually presented, 7, 350-61
 rhythm, kinaesthesia in, 24, 305
 size and the retinal image, 7, 412 ff.
 sound, direction, 3, 572 f.; movement, 19, 247
 stimuli, 19, 243, 245
 visual forms, liminally and subliminally presented, 12, 185-92
 Perceptual complexes analyzed, 28, 538; meaning, 22, 550
 Processes in, 28, 558 ff.; principal and accessory, 28, 570

Perception (*continued*)

- Reactions and, 19, 403
 Reading and, 11, 296-302
 Recognition-theory of, 7, 237 ff.
 Spatial, monocular, 7, 412; of the skin, 9, 246; visual, bibliography on, 7, 424 f.
 Subconscious, 19, 242
 Temporal, 16, 547
 Thought and, 4, 187
 Time, theory of, 15, 1-13
 Units of, *see* Chess: Range of apprehension
 Verbal, speed in poor spellers, 28, 157
 Visual, analytical study of, 28, 519; analysis of, 28, 538-550
Perceptive forms, below the two-point limen, 27, 569 ff.; types, 24, 547
Perceptual complexes, analysis of, 28, 538; meaning of, 28, 550
Perch, *see* Animals
Performance tests, 28, 462; diagnostic value of, 27, 284
Perigenesis, theory of, in descent, 3, 99
Periodic curves, 14, 536

Periodicals:

- American Bureau of Ethnology
 19th annual report, 13, 579
 25th annual report, 19, 148
 26th annual report, 20, 155
 American Journal of Physical Anthropology, (announced), 29, 457
 American Society for Psychological Research, Committee on Phantasms and Presentiments, Report of, 2, 510 f.; proceedings of, 29, 457
 Annals of Psychological Science (London), Vol. 1, 1905, No. 1, announced, 16, 258
 L'Année philosophique, Vol. 11, 1900, 12, 604; Vol. 12, 1901, 13, 456
 L'Année psychologique
 Vol. 1, 1894, (announced), 6, 653
 Vol. 2, 1895, 7, 575-8
 Vol. 4, 1898, 12, 268
 Vol. 5, 1899, 12, 268
 Vol. 6, 1900, 12, 268
 Vol. 8, 1902, 14, 118; 15, 118
 Vol. 10, 1904, 15, 448; 16, 140
 Vol. 11, 1905, 17, 141
 Vol. 12, 1906, 18, 147
 Vol. 13, 1907, 18, 382
 Vol. 14, 1908, 21, 171
 Vol. 15, 1909, 20, 595
 Vol. 16, 1910, 22, 125, 316 f.
 Vol. 17, 1911, 22, 602

Periodicals: L'Année psychologique (*continued*)

- Vol. 18, 1912, 24, 301
 Vol. 20, 1914, 27, 156
 Annual of the Universal Medical Sciences, 1888, 2, 142-4
 Archivos Brasileiros de Psychiatria, Neurologia e Medicina Legal, 21, 347
 Archiv für Geschichte der Philosophie, (announced), 1, 198
 Archiv für die gesamte Psychologie, Vol. 1, 1903, parts 1-3, (announced), 14, 264; Vol. 4, 1904, parts 1-2, 16, 256
 Archives of Neurology and Psychopathology, 10, 311 f.
 Aussage changed to Zeitschrift für angewandte Psychologie und psychologische Sammelforschung, 18, 529
 Beiträge zur Psychologie und Philosophie, 13, 581
 British Journal of Psychology, Vol. 1, No. 1. (announced), 15, 294-302
 Carnegie Foundation for the Advancement of Teaching, 2nd Annual Report, 19, 286
 Hibbert Journal, Vol. 1, 1902, No. 1 (announced), 13, 534
 L'Illustration, war files, 29, 453
 Intermédiaire des Biologistes, (announced), 9, 250
 Internationale Zeitschrift für ärztliche Psychoanalyse, Vol. 1, 1913, 24, 464
 Jahrbuch für Psychiatrie und Neurologie, Vol. 14, 1896, 21, 346
 Jahresbericht über die Leistungen und Fortschritte auf dem Gebiet der Neurologie und Psychologie, Vol. 1, 1898, (announced), 10, 318 f.
 Journal of Abnormal Psychology, Vol. 1, (announced), 17, 292
 Journal of Animal Behavior, Vol. 1, (announced), 22, 323
 Journal of Comparative Neurology, Vol. 1, 1891, Nos. 1 and 2, (announced), 4, 302 f.
 Journal of Medical Research, Vol. 1, 1901, (noted), 12, 613
 Journal für Psychologie und Neurologie, Vol. 1, 1902, parts 1-2, (announced), 13, 587
 Mendel Journal, Vol. 1, 1909, (announced), 21, 343
 Monist, Vol. 1, 1890, No. 1, (announced), 3, 430

Periodicals (*continued*)

- Ornis, 1885, (noted), 1, 197
 Psychological Bulletin, June 15, 1904, 15, 592
 Psychological Clinic, Vol. 1, 1907, No. 1, (announced), 18, 382
 Psychotherapy, Vol. 1, 1908, Part 1, (announced), 20, 151
 Rivista italiana di Neuropatologia, Psichiatria ed Elettroterapia, Vol. 1, 1908, No. 5, 19, 425 f.
 Society for Psychical Research, Proceedings 1909, 20, 461
 Sociological papers, Vol. 2, 1906, 17, 429; Vol. 3, 1907, 19, 143
 Story-teller's League, "The Story Hour" Vol. 1, 1908, No. 1, (announced), 20, 154
 Zeitschrift für angewandte Psychologie und psychologische Sammelforschung, Vol. 3, 1909, Nos. 3-4, 21, 170; *see also* Periodicals: Aussage
 Zeitschrift für Psychologie und Physiologie der Sinnesorgane, Vol. 1, 1890, Pt. 1, (announced), 3, 287-91
 Zeitschrift für Psychotherapie und medizinische Psychologie, Vol. 1, 1909, Pt. 1, (announced), 22, 320 f.
 Zeitschrift für Religionspsychologie, Vol. 1, 1907, No. 4, 18, 529
 Periodicity, human organism and, 15, 309 f.
 Peripheral ganglia, paralysis of, 3, 372; inhibition, 5, 277; vision, attention and, 20, 122-6, 491-4, 497; retina, 5, 397
 Perplexity, feeling of, 5, 256
 Peristaltic nature of organic responses, 30, 186-210
 Persecution mania, *see* Abnormal: Paranoia
 Perseveration, 22, 178; 24, 438; in association reactions, 27, 125, 130, 132 f., 142, 149
 Perseverative tendency, 25, 393-426; *see also* Association
 Personal equation, in ethics, 9, 218; in moral judgments, 9, 216 f.; *see also* Reaction-time; identity, 5, 335; self, group self *vs.*, 27, 183 ff.
 Personality, 9, 249; 14, 358; 22, 471; 28, 464
 Aggregate of qualities, 9, 391 f.
 Alternating, *see* Abnormal
 Convergence theory *vs.* nativism and empiricism, 21, 277
 Defined, 21, 276

Personality (*continued*)

- Determinism and, 8, 418
 Double *see* Abnormal
 Individuality and, 27, 172
 Integration of complexes, 25, 286
 Memory and, 2, 586 f.
 Methods of investigation, 21, 277
 Philosophical principle, 12, 392
 Practical study of human, 29, 235
 Primitive concepts of, 27, 183 ff.
 Riddle of, 19, 429
 Secret of, 29, 234
 Sense of, development, 27, 171 ff., 181 ff.
 Shock and, 25, 175 ff.
 Soul and, 9, 412 f.
 Thought and, in dreams, 16, 549
 Variations in, 1, 521 f.
See also Abnormal; Group; Self
 Personification, 5, 550; 7, 100 f.; mental attributes, 14, 48; of letters, 5, 454; 7, 100; 11, 390; 12, 393; of musical notes, 7, 100; of numbers, 5, 270; 7, 100; 11, 390; 12, 393; photisms and, 12, 393; physical attributes, 14, 49; questionnaire on, 7, 107; *see also* Forms; Imaginal; Synaesthesia
 Perspective, reversible, 2, 159
 Perversion, *see* Abnormal: Sexual perversion
 Pessimism, 5, 113 f.; arthritis and, 5, 113 f.; malady of, 5, 113 f.
 Pestilences, epidemics and, 18, 1-60; bibliography on, 18, 57-60; *see also* Black Death
 Pflüger's laws of reflex action, 3, 359 f.; 15, 554 f.
 Phakoscope, *see* Apparatus
 Phalanges, bearings of, 14, 520; joints of, 14, 521; test of, 14, 515
 Phallicism, 3, 256 f.; 6, 82 ff.; 7, 191-7; 10, 321; 28, 610
 Phantasms of the living, 1, 128-46
 Phantasy, 22, 127
 Phase difference, in auditory localization, *see* Localization: Auditory
 Phenomenology, descriptive psychology and, 23, 489 f.
 Philosophers, early American, 10, 324; martyrdom, 20, 294
 Philosophy, 14, 115; 22, 136, 323; 23, 157 f., 592, 595
 American, 1607-1900, 15, 458; early schools, 10, 324; 19, 144
 Anti-pragmatism, 20, 459; 21, 509
 Baldwin's dictionary of psychology and, 13, 576
 Berkeley on substance and causality, 13, 582

Philosophy (*continued*)

- Biological determinism and personality, 8, 418
- Brain and mind, 8, 419
- Chart of descent of, 3, 270
- Chinese, 14, 115
- Christmas festival, 20, 295
- Concept, of space, 19, 149-52; of time, 19, 149-53
- Course in psychology and, 29, 352
- Critical, 10, 604
- Critique of pure reason, 8, 310
- Culture of today, history of, 21, 341
- Darwin's influence on, 21, 510
- Descartes' works, 20, 295
- Elements of ethics, 20, 463
- Epicurean, 21, 510
- Epistemology, *see* Epistemology
- Essays, philosophical and psychological, 19, 400
- Eternal values, 20, 588
- Ethical, of life, 29, 350
- Ethics, 20, 151
- Fear and, 25, 151
- Field of, 29, 350
- First cause, 8, 580
- For the teacher, 23, 163
- Fragments of science and, 13, 454
- French, since the war, 29, 393 ff.
- Fundamental concepts of, 6, 652 f.; 8, 132
- General, 8, 309
- God's existence, 8, 579
- Great modern philosopher's views, 21, 175
- History of, 8, 580; 9, 595; 19, 573; 20, 594; 21, 341; 22, 125; modern, 24, 283
- Human soul, 8, 422
 - understanding and consciousness, monist and dualist views of, 21, 510
- Immanent intelligence, 8, 422
- Influence of custom on moral judgment, 20, 154
- Instruction in, 7, 578
- International congress, 1904, 15, 463; *see also* Meetings
- Introduction to, 7, 299; 20, 463
- Kant's prolegomena, 13, 320, 454
- Knowledge, life and reality, 21, 345
- Language and understanding, 8, 580
- Leibnitz' works, 13, 321, 454
- Matter and memory, 8, 419
- Medieval, 21, 346
- Metaphysics, 13, 319, 455
- Misery of, 8, 580
- Modality of judgment, 8, 579
- Modern, classical philosophers, 19, 480; view of the world, 8, 579

Philosophy (*continued*)

- New mysticism, 19, 148
- Of Anselm, 13, 170
 - Bergson, 24, 455
 - Boëthius, 13, 455
 - Buchez, 22, 319
 - change, 21, 174
 - Empedocles, 20, 592
 - enlightenment, 21, 510
 - happiness, 21, 346
 - Heraclitus, 1, 557-690
 - Hickok, 19, 361-73
 - history, 8, 132
 - Julian, 20, 293
 - Kant, 13, 320, 454; 22, 319; *see also* Kant
 - Laurie, S. S., 21, 173
 - Leibnitz, 13, 321, 454
 - life, 23, 475 f.
 - Lucretius, 19, 430
 - music, 23, 145 f.
 - Nietzsche, 9, 599; *see also* Nietzsche
 - Plato, 19, 430; passing of, 10, 310; *see also* Plato
 - primitive peoples, 21, 341 f.
 - religion, 13, 584; Höfding's, 15, 108-13; right to believe, 21, 506; *see also* Religion
 - Schopenhauer, 13, 172
 - Secrétan, 10, 313
 - Spinoza, 11, 277; 13, 587; 14, 262; 21, 506
 - the possible, 25, 456 f.
 - Tolstoi, 10, 313
 - value, 19, 408
 - Wundt, 13, 451; *see also* Wundt
- Ontology, 13, 172
- Opposites of the universe, 8, 579
- Origin, of life, 19, 155, 180, 181; of mind, 19, 197; of soul, 19, 168; of soul in plants, 19, 184 ff.
- Philosophia militans, 19, 432
- Philosophic doubt, 19, 430
- Physical basis of mind, 19, 267
- Popular, 8, 581; 22, 128
- Positive, 29, 169
- Pragmatism, *see* Pragmatism
- Present tendencies in, 23, 475 f.
- Problems of, 14, 263; in light of vital organization, 19, 148
- Psychic, 8, 424
- Psychological criterion of, 5, 466 f.; standard of, 5, 466 f.; starting point of, 5, 466 f.
- Psychology and, 15, 304 f.; 23, 518, 522 f.
- Scholastic philosophy in the 19th Century, 20, 586
- Scientific, 13, 321
- Scottish school of, 4, 438-50

- Philosophy** (*continued*)
 Soul's systematic place, 15, 185-200
 Space, time, movement, 13, 582
 Stoic and Epicurean, 21, 510
 Systematic, 14, 264
 Systems of, 23, 420 ff.
 Teaching of, 9, 600-6
 Textbooks of, *see* Textbooks: Philosophy
 Thought and Reality, 8, 422
 Transcendentalism (Emerson's), 30, 73-83
 Value *vs.* truth for courses in, 28, 504
 Vitalism, *see* Vitalism
 Vortex philosophy, 20, 150
See also Aesthetics; Ethics; Logic; Metaphysics; Transcendentalism
- Phobia**, *see* Fear
- Photisms**, personification and, 12, 393; *see also* Synaesthesia
- Photometer**, uses of a simple daylight, 27, 335 ff.; *see also* Apparatus
- Photometric intensities**, 5, 245
- Photometry**, 2, 334 f.
- Photoplay**, psychological study of, 27, 440
- Phototropism**, case of, 14, 75
- Phonetic alphabet**, 23, 593; easily learned, 17, 69, 71-8; Indians taught writing by, 17, 68-79; originated for Indians, 17, 69, 73, 78
- Phonetics**, 9, 243; 22, 450; beginning of, 9, 243
- Phonism**, of temperature, 11, 402; of touch, 11, 399-402; *see also* Synaesthesia
- Phonograph**, as interrupter, 24, 321
- Phrenology**, 1, 733; 20, 293; modern, 13, 169; source of the term 'function,' 26, 477-84; *see also* Skull
- Phyletic background** of genetic psychology, 19, 149-212
- Phylogenesis**, fear and, 25, 157 ff.; of colors, 27, 282; sleep and, 25, 192-9
- Physa**, *see* Animals
- Physical basis** of passion, 19, 262; change, produced by mental change, 10, 495-9; degeneration, 7, 295; education, 10, 161; measurement *vs.* statistical observations, 22, 299
- Physician's visiting list**, 19, 148
- Physico-chemical method** in biology, 21, 352 f.
- Physics**, general principles explaining life, 19, 163, 174 f.
- Physiogenetic theories** of migration, 10, 36-9
- Physiognomy**, 11, 277; 13, 580
- Physiological Ataxia**, 5, 202
- Changes, stuttering and, 25, 224-30
- Discrimination between tickle and cutaneous sensation, 19, 320
- Psychology, 20, 60-106; 23, 161 f.; critique of, 1, 159-64; German, 7, 436; Italian in 1904, 15, 516 ff.; laboratory course in, 4, 141-55, 303-22, 474-90; 5, 390-415; 6, 593-616; bibliography of, 7, 412-24; mechanics of mental life, 21, 506
- Physiology**, 23, 549
- Cellular physiology and memory, 19, 265
- Electro-chemical theory of nutrition, 8, 422
- Evolution and inheritance, 19, 435
- Fear and, 25, 153 ff.
- General, 3, 126 f., 129; 7, 441
- Human, 20, 464
- Menopause, 13, 321
- Mental fatigue and respiration, 13, 586
- Muscular work and digestion, 13, 172
- Of fatigue, 19, 385
- mind, 29, 438
- memory, 5, 356-69
- reading, 11, 283-302; 12, 292-312
- senses, 5, 261; special, 21, 511
- Psychology and, 23, 215 ff.
- Reform of, 8, 422
- Streaming phenomenon examined, 19, 116
- Tactical quality form determined by, 19, 308
- Textbooks, *see* Textbooks
- Utero-ovarian vascular circle, 13, 172
- Vaso-motor waves, 13, 1
- Pictographs** by North American Indians, 1, 348
- Pigeon**, *see* Animals
- Pigment**, color-system, 23, 236 ff.; difficulties with, 23, 238 f.; use in color-blindness, 22, 382
- Pilo-motor nerves**, 6, 292
- Pineal gland**, *see* Brain
- Pitch**, 5, 59; 30, 122-7, 143-9, 164
- Absolute, 14, 555; experiments in, 18, 194-205, 385
- Differences, sensibility for, 1, 528 f.
- Differential limen, 30, 143-9
- Discrimination, 4, 579 f.; 12, 409-57; 14, 468; age and, 15, 234 f.; in subject with absolute pitch, 18, 195, 199, 202; practice in, 15, 228-31; studies in, 14, 553-73; tests of, 16, 303 ff.; tuning forks,

- Pitch: Discrimination** (*continued*)
 20, 279; with piano, 14, 300; with variator, 14, 563
 Experimental tests of, 14, 563
 Memory, 12, 409 f.; 14, 553
 Tonality vs. pitch limens, 30, 161
 Tonal brightness identified with, 30, 157 f.
 Variation, temperature-effect on whistles, 26, 444-9
 Whistles, variation with temperature, 26, 444-9
See also Hearing
- Pity**, aroused by literature, 11, 552-7; by music, 11, 557 f.; by pictures, 11, 551 f.; influence on spread of Christianity, 11, 558-62; natural stimulus to, 11, 535-51; pedagogy of, 11, 580-91; psychological aspects of, 11, 571-80; spontaneity of, 11, 570
- Plague**, first authentic account, 18, 2; Justinian on, 18, 2, 3, 14; of Athens, 18, 1; of Egypt, 18, 1; one of Job's afflictions, 18, 1; Trojan war and, 18, 1; *see also* Black Death
- Planchette**, experiments with, 8, 402 f.
- Planomaniac**, life of, 10, 47-50
- Plantar flexion**, 5, 138; reflex, 5, 85
- Plants**, distribution and movement of desert plants, 21, 346; evolution of, 20, 71; mind of, 17, 289; 19, 184-9, 198; sense organs of, 22, 127; soul in, 9, 133; 15, 152
- Plasticity**, 23, 81; criteria of, 23, 85; zone, 20, 85, 91 f., 94, 96, 98, 104
- Plato**, idea of soul, 15, 161 f., 378 f.; passing of the philosophy of, 10, 310
- Play**, 9, 236; 13, 577
 Animals', 7, 301; 8, 578; 10, 162
 Childrens', and the serious life of primitive man, 14, 373; with eyes, 9, 357 f.; with tongue, 9, 361
 Guile and, 9, 236
 Infants', with ears, 9, 356 f.; with feet, 9, 354 ff.; with hair, 9, 359; with hands, 9, 351-4; with nose, 9, 357
 Meaning of, 14, 371
 Nervous energy superabundant in, 9, 236
 People at, 20, 591
 Pleasure, and tickle, 9, 236
 Primitive constructions of children and, 21, 114-49
 Relation to humor, 9, 237; 18, 434 ff.
 Survival value of, 13, 577
 Theories of, 8, 402-7; 14, 370
 What men live by, 26, 158
 Work and, alternation of, 14, 375
See also Games
- Playing** 'church,' 9, 433 f.; 'family,' 9, 432; 'store,' 9, 433
- Pleasant memories**, by sex and race, 10, 243 ff.; unpleasant and, associative reactions, relations between, 30, 302 ff.; directed recall of, 28, 155
- Pleasantness**, 20, 157-93, 269-74, 532
 Aesthetics and, 6, 484 f.
 Area of colors and, 22, 578 f.
 Attention and, 6, 627; *see also* Attention
- Attention**
 Definition of, 6, 627
 Desire and, 6, 626 f.
 Dimension of feeling, 17, 365 ff., 373, 375 f., 379, 382-5, 388 ff., 557 f.
 Emotion and, 6, 628
 Nature of, 6, 625
 Nervous correlate of, 20, 148
 Unpleasantness and, audition and, 6, 24 ff.
 biological theory of, 19, 405
 bodily cravings and, 6, 21 ff.
 phenomena, correlated, 6, 16 ff.
 effect on the fluctuation of attention, 12, 336-41
 Fechner's theories of, 6, 11
 Herbart's theory of, 6, 11
 ideational origin of, 6, 28 ff.
 indifference and, 6, 15
 judgments of, 27, 157, 164, 166 f., 169 f.
 lower senses and, 6, 23 f.
 morbid mental conditions and, 6, 31 ff.
 nature of, 6, 3 f., 7
 nervous correlate of, 20, 148
 onirotic conditions and, 6, 32 ff.
 relation to each other, 6, 9 f., 14 ff.; to other psychic facts, 6, 7 f.; to will, 6, 13 f.
 sight and, 6, 26 f.
 Spencer's theories of, 6, 12 f.
 Wundt's theory of, 6, 10
See also Affection; Affective; Feeling; Unpleasantness
- Pleasure**, Hobbes' doctrine of, 11, 54 f.; of appetite, neural activity and, 25, 270 f.; pain and, 25, 151 ff.; tickle, 9, 235 f.; value and, 6, 18 f.; *see also* Pleasantness
- Plethysmograph**, *see* Apparatus
- Pluralism**, 23, 590
- Pluralistic universe**, 21, 172
- Pneuma**, Aristotle on, 2, 44; reflex act cause by, 3, 72 f.
- Pneumograph**, *see* Apparatus
- Poetic construction**, psychology of, 25, 528-37

- Poetry, the individual and, 19, 148;
language and, 22, 133, 458; tree in,
9, 503-6
- Poets, philosophical, 23, 476
- Point-scale method, 27, 283 f.; of
intelligence, 28, 311; tests, 27, 82
- Poison, effect on cortical cells, 7, 428;
arrows, 3, 271; primitive concept of,
3, 271; use by women, 10, 185; *see*
also Drugs
- Poisoning, strychnine, 25, 83
- Polarity, human, 1, 502
- Polarization of light, visual theory and,
2, 155 f.
- Polygamy, 10, 320
- Polyglottism, 27, 291
- Polyneuritis, 4, 332-6
- Polytheism, 20, 113, 223
- Porcupine, *see* Animals
- Portraits as representing soul, 15,
139 f.; *see also* Soul
- Position, bilateral asymmetry, 4, 155;
sense of, 20, 381, 384, 391
- Positive after-image, *see* After-image
- Possibility, objective, problem of, 24,
137
- Post-Kantians, 23, 417 ff.
- Posture, defective, causes of, 1, 356;
mental activity and, 19, 274; ques-
tionary on, 12, 12 f.
- Poverty, 6, 285; statistics for, 3, 401;
see also Pauperism
- Power, periodic changes in, 14, 536;
unconscious origin of, 26, 133-41
- Practice, 5, 2, 9, 201
Addition, 21, 483-6; 26, 247-50
Coefficient of divergence and, 27,
261; precision and, 27, 261, 263 ff.
Curve of, 23, 75 ff.
absolute and relative gains in,
23, 77 ff.
addition, 26, 247-50
association time, 22, 2
lifted-weights, 27, 315
work and, 24, 35; 27, 550-65
- Effect, free association and, 22, 1 ff.
mental multiplication and, 19,
374 ff.
of initial, 27, 261-72
on form of association, 22, 10 ff.
individual differences, 24, 426
insane patients, 17, 54 ff., 60 ff.,
68
judgment of absolute pitch, 18,
195, 199, 201 f.
learning, 24, 21
mental processes, 1, 360; 2, 168
recognition, 27, 344 ff.
reaction-times, 18, 387 f.
smell limen, 10, 122 ff.
- Practice: Effect (*continued*)
two-point limen, 29, 413
Ergograph's value as accurate meas-
urer of, 15, 307 f.
Fatigue and, 19, 346 f., 349, 452-4
Fechner's colors and, 13, 501 f.
Fixation, 19, 81
Gain in addition, 26, 64 f.
Individual differences and, 23, 75 ff.,
593
Intelligence and, 15, 227-33, 262 f.,
267
Interference and, 6, 434 ff.
Intermissions and, 19, 461-4
Interval of uncertainty and, 27,
261, 263 ff.
Limen position and, 27, 268 ff.
Loss of, in touch, 6, 330 f.
Mental discipline and values, 21,
340
Practicability *vs.*, 23, 88
Purely intellectual function, 19,
471-84
Right *vs.* left hands, 19, 454-7
Subjective equality and, 27, 261 f.,
267
Successive intervals and, 19, 461,
464
Tapping-test, 19, 346 f., 348 f., 352
ff.; gain by, 20, 449-55; 26, 60-3
'Warming-up' phenomena and, 19,
457-61, 464
See also Learning; Limen
- Practicability, practice *vs.*, 23, 88
- Pragmatism, 19, 575; 20, 460; 23,
386 f., 414, 425 f.; American thought
from puritanism to, 26, 471; Kant
resurrected in, 23, 386; principles
of, 21, 510; service of, 23, 425 f.;
truth at hands of, 23, 414; unsound,
21, 407 f.; *see also* Anti-pragmatism
- Preaching, psychology and, 29, 351
- Precision, 22, 94 ff.; arithmetical
processes and, 22, 95; attention and,
20, 490, 492, 498-501, 503-29; 24,
485, 505; 27, 455; degree of, 5, 180;
fatigue measured by, 19, 356; of
movement, 5, 177 f., 196
- Precocity, causing introversion, 21,
258; criminal, 16, 159 f.; mathemati-
cal, 4, 56; mental unbalance and,
16, 167; nervousness and, 16, 168 f.;
physical growth and, 9, 295-9, 312;
prematurity and, studied, 16,
145 ff.; religious, 16, 164 f.; sexual,
16, 173 f.; *see also* Prodigies
- Preferences, number, 14, 659; in
estimating time intervals, 18, 187-93
- Prehension, experiments on, 1, 193;
see also Attention: Range of

- Prejudice**, psychology of, 3, 272
Prematuration, precocity and, 16, 145 ff.
Prenatal, culture and heredity, 20, 459; movements, 12, 4 f.; *see also* Child
Prepotency, retrogression, organic, 11, 214 ff.; psychical, 11, 216 ff.
Present, perception of, 4, 101
Presentation, Herbart on, 2, 247 ff.; Stoics on, 2, 54; visual *vs.* auditory-verbal method, 27, 119 f.
Pressure, 5, 106, 279
Adaptation to, 18, 314-8
Comparison of from different areas of body, 29, 295
Continued, introspections on, 18, 312 f.
Effect of amount of stimulus, 1, 92 f.; gradual changes in, 1, 72-98; rate of changes in stimulus, 1, 86-93
'Facial vision' and, 5, 346-50; 15, 383-90
Institution determined, 29, 403
Negative, 1, 93-8
Sense of the ear drum, 5, 344 ff.
Spots of, 29, 403
Weber's law and, 2, 333 f.
Prick, *see* Cutaneous: Sensation
Priest-doctor, 20, 228, 237, 251
Primacy, recognition and, 24, 540; recognition and recall *vs.*, 26, 224-7
Primal entry (law of), observations contrary to, 6, 573 ff.
Primitive activities of children, 21, 114-49; man, *see* Anthropology
Primogeniture, relation of strength and pain sensitivity to, 10, 392-8
Printing type faces, legibility of (bibliography), 23, 1-36, 454-6
Prior-entry, *see* Attention
Prison, female life in, 3, 240; management, individual system in, 3, 234 f.; reformatories and, of world, 3, 240; statistics for 1888, 3, 123; systems and their effects, 3, 124
Prizes, Belhomme, topic for, 1, 197; Psychophysics award delayed by war, 26, 620; Vierteljahrsschrift für wissenschaftliche Philosophie, 8, 430; Welby prize, advertised, 8, 314; awarded, 10, 165
Probability, curve of, 14, 586; integral, 5, 180 f., 193; Laplace on, 14, 258; theory of, 5, 287-90; in telepathy, 1, 143 f.
Probable error, 1, 292 f., 308 f.; method of computation, 5, 151
Probing movement, 5, 192-5, 202, 204
Process, function and, 23, 497 f.; meaning *vs.*, 22, 554 ff., 574 ff.; 23, 173 ff., 178 ff.; mental, mutual relations, 10, 342-8
Prodigies:
Mathematical, 4, 1-59; 8, 521 f.
auditory memory in, 18, 70 ff 118-29
association, 4, 42-55
African slave dealers, 4, 2
cases of Ampère, André Marie, 18, 83 f., 143
Bidder, George Parker, 4, 23-29; 18, 67, 77-81, 115, 117, 121-8, 142
Bidder, George Parker, Jr., 18, 81, 121, 143
Buxton, Jedediah, 4, 3-7; 18, 63, 115, 117, 126 ff., 141
Colburn, Zerach, 4, 11-17; 18, 63-8, 121, 125 f., 132-9, 141
Dase, Johann Martin Zacharias, 4, 18-20; 18, 75 ff., 115, 121 f., 142
Diamandi, Pericles, 8, 521 f.; 18, 73, 119, 121 f., 142
Fuller, Tom, 4, 2; 18, 62 f., 141
Gauss, Carl Friedrich, 4, 7-10; 18, 84, 143
Grandmange, C., 4, 21
Inaudi, Jacques, 8, 521 f.; 18, 69-73, 118, 141
Mangiamele, Vito, 4, 17
Miscellaneous, 4, 31 f.
Mondeux, Henri, 4, 21-23; 18, 68 f., 141
Nikomachos, 4, 1
Prolongeau, 4, 20
Safford, Truman Henry, 4, 29-31; 18, 81 ff., 143
Whately, Richard, 4, 10 f.
Zaneboni, Ugo, 18, 73, 116 f., 119, 122, 142
classifications of, 18, 62
development of a, 18, 87-91
education of, 18, 100 ff.
heredity of, 18, 96, 141 ff.
imagination of, 4, 57
inclination of, 4, 55 f.
loss of power in, 18, 100
memory for numbers, 18, 71, 115-8
types, 18, 70 ff., 74, 81, 85, 94 f., 118-29
methods of, 18, 93 f., 103-13
minor prodigies, 18, 84-7
precocity of, 4, 56; 18, 96-100
types of, 18, 101
Memory, Bidder, 4, 36; Buxton, 4, 33; Colburn, 4, 34; Dase, 4, 34; Fuller, 4, 34; miscellaneous men,

- Prodigies: Memory** (*continued*)
 4, 37; Rückle, 15, 447
See also Genius
- Projection**
 After-image, 24, 262, 576
 Death wish, 21, 292
 Eccentric, 9, 365
 Erotic wishes, 21, 247
 Retinal circulation, 4, 482; 12, 281-91;
 literature on reviewed, 12, 281 ff.;
 image, 9, 56-9
 Visual, empirically explained, 9,
 59; ghosts and, 26, 251-7
- Propagation**, law of, 14, 598
- Proper names**, recall of, 27, 503 ff.;
 response to unknown, 27, 430-4;
 28, 436
- Property**, primitive concept of self
 and, 27, 180 ff.
- Prosperity or pauperism**, 3, 398 f.
- Prostitution**, clandestine, 10, 605
- Protective coloration**, laws of disguise
 through color and pattern, 21, 500;
 theories of mimicry and warning
 colors arraigned, 21, 500; mimicry,
 deception and, 11, 440-3
- Protoplasm**, energy of, 8, 418; learning
 the chief feature of, 10, 18
- Protozoa**, *see* Animals
- Protracted occurrence**, memory for,
 10, 231-4
- Prudishness**, extent and effects of, 20,
 302
- Pseudo-chromaesthesia**, *see* Synaesthesia
- Psychoasthenia**, *see* Abnormal
- Psyche**, 22, 132
- Psychiatrists**, mortality of, 3, 148
- Psychiatry**, 10, 599; 23, 482; 27, 286
 Bases of interpretation of psychical
 ills in the child, 21, 509
 Borderline phenomena, 21, 509
 Certificates in, 1, 197
 Classification of insanity, 13, 583
 Clinical study of, 13, 583
 Comparative, 15, 587 f.
 Course in, 20, 296; university, 7, 449
 Critical, 8, 140
 Dementia praecox, 20, 467; dynamic
 interpretation, 21, 385-403
 Doctor and patient, 5, 93 f.
 Education and, 13, 585
 Fatalistic theories detrimental, 21, 401
 Fatigue curves used in, 15, 587
 Fear and, 25, 155 ff.
 Function of, 6, 473 f.
 Handbook for care of feeble-minded,
 21, 504
 Lectures on childhood's psychopathology, 21, 344
- Psychiatry** (*continued*)
 Literature of, reviewed, 16, 247 ff.,
 550 ff.; 17, 596-608
 Manual of, 19, 571
 Modern problems in, 21, 171
 Munich psychiatric clinic, 21, 347
 Outlines of, 21, 175
 Pathology of occult, 13, 579
 Philosophy and, 6, 311
 Prognosis accompanied by a feeling
 of unreality, 19, 435
 Psychomotor disturbances, 20, 153
 Recent discoveries of, 9, 244
 Research, methods of, 10, 599; and
 objects of, 19, 575
 For students of medicine, 7, 442
 Theories of, 27, 83
 Textbooks, *see* Textbooks
 Therapeutic measures in nervous
 and mental diseases, 29, 127
See also Abnormal; Association
 method; Dreams; Dream analysis;
 Psychoanalysis; Psychopathology
- Psychic:**
 Life, spiritual ascent of man, 28,
 611; trends of the present, 16, 136
 Rudiments, morality and, 11, 181-
 224
 Synthesis, *see* Mental: Synthesis
- Psychical:**
 Life, manual of, 19, 571
 Phenomena, 16, 557; 22, 473; 28,
 308; man's survival, evidences of,
 21, 505; of the war, 29, 351; soul
 shapes, 14, 117; trance conditions
 of Mrs. Piper, 11, 436
 Philosophy, principles of, 20, 149
 Research, 1, 128-46; 13, 584; 22,
 603; 27, 286; 28, 159, 161
 after death, 30, 118
 animal field, 25, 1-31, 131-6
 both sides of the veil, 21, 172
 challenge of war, 30, 432
 contact with the other world, 30,
 431
 discovery of an historic chapel, 29,
 351
 dream of realms beyond us, 13,
 582
 essays in, 10, 598
 evolution of the soul and, 16, 136
 experiments in, 30, 431
 fact and fable in psychology, 12,
 399 f.
 faith in, 21, 172
 feeling of being stared at, 24,
 570-5
 from India to the planet Mars,
 11, 428; 12, 265-8
 literature reviewed, 7, 135

Psychical: Research (*continued*)

- medium in the bud, 29, 144-58
 mediumship, manufactured, 12, 266; neuropathological problems of, 12, 267
 naturalization of the supernatural, 20, 294
 Palladino, Eusapia, 20, 593 f.; trick methods of, 22, 125
 spiritism, psychological observations of, 12, 401
 Stanford University experiments, 29, 233
 telepathic hallucinations, 20, 153
 twentieth plane, 30, 324
see also Magic; Spiritism
- Psychoanalysis**, 22, 134 ff.; 25, 143, 163, 554 ff.; 28, 306, 460; 30, 214 f.
- Aphasias, 21, 347
 Breuer, Joseph, founder of, 21, 181
 Charcot and, 21, 190
 Children studied by, 26, 130-41
 Child's unconscious mind, 30, 324
 Complexes, Freudian theory of, 27, 143 ff.
 Defense of, 30, 271 ff.
 Dreams, 23, 309 f., 316 f.; Freud's theory of, 21, 283-308
 Education and, 25, 581 ff.
 Erotic motive in literature, 30, 431 f.
 Founder of, 21, 181
 Freud, S., 23, 344, 482; impressions of, 22, 439 ff.
 Freud's "Kleine Schriften," 25, 143
 Freudian doctrine of lapses, its failings, 30, 274-90; literature, 28, 306
 Fundamental hypothesis of, 21, 310 f.
 Glossolalia, 23, 135 ff.
 Glossoanalysis and, 23, 135 ff.
 Glossosynthesis, 23, 138 f.
 Godiva legend and, 22, 427
 Grave's disease, psychoses associated with, 21, 347
 Homosexuality, 23, 130, 318 f.
 Illustrated and defended, 30, 260-73
 Infantile sexuality, 23, 137 f., 310 ff., 317 f.; 24, 362
 Introjection and transference, 21, 347; 22, 433 ff.
 Language, 22, 428
 Life, everyday, 22, 438 f.
 Literature of, 22, 408 ff.; 23, 116 ff., 309 ff.; 25, 315; 30, 239
 Losing of objects, 23, 129 f.
 Love, 22, 429 f.
 Madness and dreams, 21, 168
 Methods, 22, 520 f.; 25, 143
 Misuse of, 22, 425 f.

Psychoanalysis (*continued*)

- Motivation in tragedy, 23, 325 ff.
 Mysticism, 23, 122 f.
 Objects of, 26, 131 ff.
 Of Amenhotep IV, Echnaton, 27, 399 ff.
 Louis Bonaparte, King of Holland, 27, 397 ff.
 child, a, 21, 251-69
 Auguste Comte, 29, 159-181
 Dante, 27, 376 ff.
 Leonardo Da Vinci, 22, 408 ff.; 27, 366 ff.
 Andrea del Sarto's art, 27, 371 ff.
 Margareta Ebner, 27, 404 ff.
 English poetry, 30, 431 f.
 Anatole France, 23, 128 f.
 genius, 21, 72 ff. 27, 363-416
 Gogol, 27, 387 ff.
 Hamlet, 21, 72-113; 23, 594; 27, 373 ff.
 Jensen's Gradiva, 27, 363 ff.
 Heinrich von Kleist, 27, 382 ff.
 Nicolaus Lenau, 22, 430 f.; 27, 379 f.
 Lohengrin saga, 27, 392 ff.
 Ignatius Loyola, 27, 406 f.
 Luther, 24, 360
 Napoleon I, 27, 394 ff.
 'Oedipus' complex, 27, 373 ff.
 Schopenhauer, 27, 407 ff.
 Giovanni Segantini, 22, 441 ff.; 27, 368 ff.
 various historical and literary characters, 27, 410 ff.
 Richard Wagner, 22, 419 ff.; 27, 389 ff.
 Ludwig von Zinzendorf, 22, 416 ff.; 27, 401 ff.
- Origin and development, 21, 181-218
 Papers on applied psychology, 21, 168
 Patricide, 23, 319 ff.
 Point of view of, 30, 269 f.
 Reality, 23, 132 ff.
 Selected papers on hysteria and other psychoneuroses, 21, 168
 Significance in interpretation of history, 30, 359-74
 Sleep and dreams, 23, 315 f.
 Stuttering and, 23, 313 ff.; 25, 242 ff.
 Suggestion in psychotherapy, 22, 437 f.
 Suicide, 23, 310 ff.
 Therapy of, 22, 424 f.
 Transference and introjection, 21, 347; 22, 433
 Unjustified criticism of, 21, 205
 Vision disturbances and, 22, 426 ff.
 Youths studied by, 26, 130-41

Psychoanalysis (*continued*)

See also **Abnormal**: Dementia praecox, Hysteria, Paranoia; **Complex**; **Dreams**; **Foster-child fantasy**; **Oedipus-complex**

Psychobiology, energetics and, 20,

464; outline of, 27, 437 ff.

Psychodynamics, 20, 80-106

Psychogenesis, 13, 426; see also **Evolution**

Psychognosis vs. psychology, 26, 308

Psychography, defined, 21, 277; schema for, 21, 277 ff.

Psychological, facts, 23, 431 f.; interpretation of history, 30, 345-74; investigation, present condition of, 19, 264; problems, 3, 139; studies, (Wundt), 21, 348; system, introspection and, 23, 447 f.

Psychologists:

American, first fifty, 14, 577; institutions where they studied, 14, 588; statistics of, 14, 573; 15, 102 f.

Classical, 24, 289

Distribution, orthodox, 14, 583; probable error, 14, 578

Psychology:

Abnormal and normal, 25, 283-7; see also **Abnormal**

America, 30, 217, 221

American, quarter century of, 1878-1903, 14, 660

Animal, see **Animals**

Applied, see **Applied psychology**

As natural science, 10, 601 f.

As science, G. Stanley Hall's view of, 30, 212 f., 216 ff.

As science of selves, 26, 68-98

Baldwin's dictionary of, 13, 576

Berkeley's, sources of, 4, 230-47

Biology and, 20, 148; 22, 474

Comparative, see **Animals**; **Anthropology**; **Child**; **Comparative psychology**

Criminal, two cases for, 3, 120

Culture and, 14, 256 f.

Decade of (1899-1909), 21, 404-21

Denmark, 4, 495 f.

Domain of, 30, 220

Dorpat, 4, 498

Dynamic, 25, 283-7; 29, 352

Educational, 29, 125; see also **Education**

Elementary course, Sanford on, 17, 147

Elements, 25, 284

Empirical and rational, 12, 265

Energetics and, according to Ostwald, 17, 146

Essays, philosophical and, 19, 400

Psychology (*continued*)

Ethics and, 23, 339 f.

Ethnic, 16, 138

Experimental, beginnings of, 5, 426; in England, 10, 165; at German universities, 4, 585-94; history, 1899-1909, 21, 404-21; introduction to, 26, 471

Extension of province of, 9, 253

Forensic, pathological lying, accusation and swindling, 26, 619

Functional, 16, 243 f.; 17, 298-304

Functionalist and structuralist, 25, 285; see also **Functional**

Fundamentals of, 26, 469

General and applied, 26, 464 f.; educational, 20, 161

Genetic, 19, 149-212; 25, 149-200, 285

German, history of, 9, 404 f.

Germany, 11, 125, 426 ff.

Hall's conception of its relationship to philosophy, 17, 145

Hindu, Vedānta, system of, 24, 293

History of, 23, 160; 25, 143; recent, 5, 278; 1889-1900, 12, 272

History's need of, 30, 337-76

Hobbes', sources of, 4, 230-47

Hopelessness of old, 19, 268

Humes', sources of, 4, 230-47

Individual, 10, 388-91

In the new Britannica, 23, 37-58

Introspection and, 27, 572 f.

Italian experimental, 15, 515-25

William James', 22, 447 f.; 23, 339

Locke's, sources of, 4, 233-6

Logic and, 20, 590

London, 4, 491-5

Miscellaneous essays (Spencer), 13, 452

Modern, 23, 451, 595

Normal and abnormal, 20, 292

Of the child, see **Child**; high-school subjects, 26, 619; special abilities, 28, 462

Parenthood and, 26, 620

Paris, 4, 497 f.

Pathological, see **Abnormal**

Physiology and, 23, 215 ff.

Popular, 23, 344

Preaching and, 29, 351

Preyer's courses in, 4, 497

Pure and applied, 30, 212 ff., 216 ff.

Quarter century of (1878-1903), 14, 666-80

Rational, estimate of validity of, 19, 368; Hickok, 19, 361

Rationalism and empiricism, 19, 367-73

Related sciences and, 23, 480, 595

Psychology (*continued*)

- Relation to other disciplines, 23, 524 ff.; to philosophy, 23, 518, 522 f.
- Scotland, 4, 598
- Social science and, 28, 216
- Some relations between the war and, 30, 211-23
- Spinoza's, 18, 514-18
- Studies in, 30, 324
- Teacher and, 21, 173
- Textbooks on, *see* Textbooks
- United States, history and status of, 23, 517 ff., 524 ff.
- Wundt's, 16, 499 ff.
- See also* Abnormal; Animal; Anthropology; Child; Comparative psychology; Educational psychology; Experimental psychology; Social psychology
- Psychometric function, 22, 94 ff.; analysis of, 29, 227 ff.; chart of, 28, 465-70; Urban's tables and, 28, 280
- Psychomotor, automatism, 16, 549; disturbances in mental disease, 20, 153; mechanisms, of typewriting, 27, 47-70; troubles, 5, 79; troubles in the insane, 19, 425, 572
- Psychoneuroses, *see* Abnormal: Neuroses; *see also* Association method; Dreams; Psychiatry; Psychotherapy
- Psychopathology, 3, 269; 22, 135, 451 f.
- Apraxia, 22, 65 ff.
- Association, laws of, 15, 590 f.
- Childhood's, lectures on, 21, 344
- Contributions to, 21, 347
- Everyday life, 22, 477-527
- Experimental, 20, 155
- Insane as rulers and leaders of nations, 21, 509
- Moral insanity, 15, 586
- Neuropathology *vs.*, 23, 230 ff.
- Normal pathology and mental, 19, 426
- Psychasthenia, obsessions and, 15, 589 f.
- Psychopathia sexualis, 3, 251
- Psychopathic diseases, 28, 159
- Researches, 13, 579
- Subconscious in, 22, 166 ff.
- Tic, 15, 592 ff.
- Traumatic insanity, 15, 582 ff.
- Unconscious in, 22, 166 ff.
- Psychophysical:**
- Attitude and judgment, 28, 1
- Correlation, universality of, 25, 485 ff.
- Judgment and attitude, 28, 1
- Law, 5, 247, 309, 370-84
- Parallelism, 22, 158 f.; 23, 230 ff.

Psychophysical (*continued*)

- Series, method of, 20, 1; motor sense and, 4, 217 ff.; time sense and, 4, 213-17
- Psychophysics, 1, 533 f.; 23, 481
- Astronomy, 20, 8
- Checking table (Rich), 29, 120 f.
- Fechner on, 2, 669
- History of experiments from 1899 to 1909, 21, 409 f.
- Lagrange's formula, 22, 300 ff.
- Law of, 4, 213-19
- Measurement, 9, 591; 22, 298
- methods, abbreviations used in, 9, 327-31; terminology, 9, 327-31
- Merkel on, 2, 332 ff.
- Meteorology, 20, 7
- Methods, *see* Methods
- Müller's, 15, 455
- Of climate, 20, 1-8; bibliography, 20, 8-14; vision, 3, 209
- Prize in, 26, 620
- Statistical method in, 19, 436
- Urban's notation, 28, 290; tables, 28, 280-93
- Vocabulary, 8, 584; 9, 327-31
- See also* Discrimination; Fechner's law; Intensity; Lifted-weights; Reaction time; Weber's law
- Psychoses:**
- Alcoholic, Stöcker on, 21, 512
- Art, 12, 601 f.
- Atavistic, in memory and dreams, 10, 182 ff.
- Choreic, 1, 340
- Classification of, 1, 541
- Content of, 21, 168
- Course of, 1, 339 f.
- Dendropsychoses, 9, 449-506
- Fatigue curves, 15, 587
- Following ocular operations, 4, 331 f.
- From surgical trauma and from multiple neuritis, 4, 323
- Hydropsychoses, 10, 169-227
- Manic-depressive, 23, 593
- Periodic, 3, 249
- Polynuritic, 4, 332-6, 338
- Scarlatina, 5, 74 ff.
- Selective activities of *Vorticella gracilis* and, 10, 258 ff.
- War, 1, 187 f.
- Weight variations in, 1, 361
- See also* Association method; Dreams; Insanity; Neuroses; Psychiatry; Psychoanalysis
- Psychotechnics, *see* Applied psychology
- Psychotherapy, 2, 660, 665 f.; 20, 151, 260-3, 295, 460 f.; 22, 320, 469, 473; 23, 148, 163 f., 587
- Battery of life, 26, 619

Psychotherapy (*continued*)

- Christian Science, 20, 253, 258-9, 261, 262; idea of soul, 15, 183 f.; philosophy, theory and practice of, 10, 432-7
 - Cures by, 10, 442 ff., 449-62
 - Divine healing, theory and practice of, 10, 437-40; potency in water, 10, 200 f.
 - Eddyism, complete exposé of, 13, 323
 - Emmanuel movement in a small New England town, 20, 595
 - Failures of, 10, 464-71
 - Faith cures, evidence of effect of mind on body, 10, 431-502; psychological problems set by, 10, 489-99
 - History of New Thought movement, 30, 430
 - Hygiene of the soul, 21, 511
 - Letters on, 20, 461
 - Mental medicine, 20, 595
 - Miracles of healing, 20, 219
 - Nervous and mental diseases, 29, 127
 - Patent medicines, devices and health fads, 10, 441 f.
 - Pathological lies and mental healing, 3, 67 f.
 - Positive evidence for, 10, 462 ff.
 - Problems set by faith cures, 10, 489-99
 - Psychoneuroses, and their psychical treatment, 21, 508; in war psychology and treatment of war-shock, 29, 127
 - Psychotherapeutics, 1, 347, 720; 10, 155
 - Theory and practice 10, 437, 445-56
 - Voluntary auto-suggestion, 21, 345
 - See also* Faith cures; Hypnotism; Psychoanalysis; Suggestion
- Puberty:**
- Change of name and, 6, 71
 - Crisis of, 30, 237 f.
 - Critical period, 6, 79 f.
 - Depression of, 21, 247
 - Disease resistance and, 9, 291; 30, 237 f.
 - Initiation rites of, 6, 63 ff., 73 f.
 - Memory during, 10, 232 f.
 - Pedagogy of, 30, 237 f.
 - Physiology of, 30, 237 f.
 - Psychology of, 22, 603
 - Religious awakening during, 9, 77-80
 - School and, 21, 508; 30, 237 f.
 - Sentiment and conduct during, 30, 238

Puberty (*continued*)

- 'Storm and stress' manifestations, 9, 83-8
- Torture at, 6, 72
- See also* Adolescence
- Pulse, rate, in mental activity, 6, 259 ff.; reaction time and, 6, 467; recording technique, 24, 270; Traube-Hering waves of, stimuli affect, 15, 499-512; voluntary control of, 2, 651 f.; *see also* Circulation
- Punishment, 11, 274; prevention of crime and, 3, 121 ff.; sin and, primitive notions of, 27, 185 f.
- Pupil, changes in epilepsy, 1, 203; in paresis, 1, 347; reflex in rabbit, 1, 314; rigidity of, 1, 347; *see also* Eye
- Purification by water, ceremonial of, 10, 209 f.
- Puritanism, *see* Religion
- Purkinje's figures, 4, 481 f.; 5, 399
- Puzzles, classification of, 8, 438-46; educational value of, 8, 456 f.; historical notes on, 8, 483-93; interest in, 8, 448-53; preferences for, 8, 453 f.; psychology of, 8, 431-93; solving methods, 8, 461-83; *see also* Apparatus: Puzzles, Mazes
- Pyramidal tracts, decussation of, 1, 198
- Pyromania, *see* Abnormal

Q

- Qualitative analysis, fundamental importance of, 12, 597; judgments, of light sensations, 26, 296-99; series, vision, 7, 386-404; *see also* Apparatus: Color models
- Qualities, of men, 22, 126 f.; number of discriminable visual, 7, 149 f.
- Quality, 5, 70; tonal, 30, 122-64; visual, as a determinant of clearness, 26, 449-53
- Quarter-tone, effect of, 14, 471, 477
- Question, method of, *see* Method
- Questionnaire on:
 - Aesthetics, 16, 84 ff.
 - Anger, 10, 528 f.
 - Automatisms, 7, 492
 - Childhood memories, 10, 229 f.
 - Children's clubs, 9, 431 f.
 - sense of self, 9, 351-95
 - Conversion, 7, 371; 8, 268 ff.
 - Comic, tickling, and laughing, 9, 1-3
 - Creeping, 12, 12 f.
 - Crying, 17, 150 ff.
 - Dark days, effects of, 14, 78
 - Darkness and light, reactions to, 14, 22, 29, 38, 56, 72, 78
 - Day dream, 15, 466

Questionary on (*continued*)

- Disease, health and, 10, 433
 old age, and death, 8, 85 ff.
 Dreams, 16, 1 f.
 Earliest memories, 7, 303 f.
 Effort automatism, 7, 492
 Enlargement of intellectual point of view, 18, 353 ff.
 Fears, 8, 148 f.
 Feelings, at dawn, 14, 22
 at night, 14, 29
 Gambling impulse, 13, 377 f.
 G. Stanley Hall's list of, with results, 14, 97-100
 Hallucinations, 3, 292
 Health and disease, 10, 433 ff.
 Hydro-psychozes, 10, 216-225
 Ideational type, 17, 121, 125-28
 Individual differences, 6, 535
 memories, 10, 229
 Jealousy, 17, 452 f.
 Laughing, tickling, and the comic, 9, 1-3
 Light and darkness, reaction to, 14, 22, 29, 38, 56, 72, 78
 Love, 13, 328 f.
 between the sexes, 13, 328 f.
 Memory, 10, 229 f.
 Migratory impulse *vs.* love of home, 10, 3 ff.
 Moon in childhood and folklore, 13, 297; 14, 88
 Moral judgments, 9, 202 ff.
 'Odic' force, 2, 674 f.
 Old age, disease, and death, 8, 85 ff.
 Pity, 11, 534 f.
 Posture, 12, 12 f.
 Puzzle interest, 8, 446 f.
 Religion, 9, 71
 Soul, 15, 359-73
 Superstitions among college students, 30, 84
 Synaesthesia, 7, 101-7; 14, 644 ff.
 Thoughts regarding the sun's rays, 14, 38
 Tickling, laughing, and the comic, 9, 1 ff.
 Twilight fancies, 14, 56
 Uncertainty, 13, 377 f.
 Walking, 12, 13
- Questionary-method**, criticised, 9, 239 f.; examined, 6, 557 f.
Quiescence, 20, 270, 273 ff., 389

R

- Rabbit**, *see* **Animals**
Raccoon, *see* **Animals**
Race:
 Growth of children and, 9, 284 f.
 History and, 20, 464

Race (*continued*)

- Hygiene, 22, 135
 Mongrel or, 20, 152
 Mythology of all the, 27, 579
 Negro: a sociological study, 26, 308 ff.
 Questions, provincialism and other American problems, 20, 588
 Persistence of, 9, 243
 Religion and, 11, 599
- Racial**, differences in rhythmic emphasis of German and American children, 12, 495-531, 534 f., 544, 570 f.; eruptions, fear and, 25, 183; mixtures, 10, 157; values, 29, 125 f.
- Racing**, bicycle, 9, 507-16; paced *vs.* competitive, 9, 514 ff.
- 'Radiobes,' creation of, 18, 150 f.
- Radiometric units**, retinal sensitivity and, 23, 328 ff.
- Rage**, a fundamental emotion, 28, 169
- Rain**, ceremonials to secure, 10, 188 f.
- Rancid**, 14, 414
- Range** of apprehension, 12, 84 f.; hearing, speech method, 15, 50-6; *see also* **Attention**; **Clearness**; **Consciousness**; **Memory**: **Span**
- Rank**, correlation, Spearman's method, 15, 79-82; differences, correlation, 15, 86 ff.; differences, method of, 27, 161
- Rat**, *see* **Animals**
- Rate of**:
 Arm movement, influence of, on judgment of length of movement, 20, 374-85
 Improvement in multiplying, 19, 379-83
 Movement, gross, and fatigue, 19, 480 f.; initial and fatigue, 19, 474 f.; perception of, in direct and indirect vision, 6, 312
 Rotation as a factor in Fechner's colors, 13, 502
 Work in schools, 18, 207
- Rational cosmology**, 19, 365
- Rationalism**, protest against, 27, 297 ff.; E. G. Spaulding on, 29, 455; the new, 29, 455; *see also* **Philosophy**
- Rationalization** among primitive peoples, 21, 382 ff.
- Reaching**, handling, and grasping, 26, 525-39
- Reaction**:
 Anomalous case, 30, 62-5
 Apparatus, 4, 596 f.; continuous discrimination, 29, 128; *see also* **Apparatus**
 Association and, 4, 460-6
 Associative, egocentric, 30, 300 ff.

Reaction (*continued*)

- Attention and, 5, 1-19
 - Choice, 5, 2-19
 - Cognitive, 4, 596 f.; 30, 64
 - Curve, analysis, 30, 230 ff.
 - Delayed, association, 27, 127, 130, 131 ff., 136
 - Discrimination and choice, 17, 36 f.
 - Emotional, 28, 163
 - Experiment, 4, 198-201; anthropometric type, 15, 489, 497; laboratory type, 15, 489, 497; *see also* Reaction: Time
 - Following anger, 10, 571-4
 - Index of attitude, 30, 225
 - Key, *see* Apparatus
 - Method of mental diagnosis, *see* Association method
 - Motor, an anomalous, 30, 63 f.; and sensory, 4, 200
 - Movements, analysis of curves of simple, 30, 224 f.
 - course of, in relation to instructions, 30, 228 f.
 - duration of, independent of energy and extent, 30, 227; not affected by attitude, 30, 228; simple, 30, 224-8
 - energy and extent of, 30, 228
 - force and extent of, 22, 90 ff.
 - Muscular, 5, 5 ff.; auditory, 5, 1 ff.; measure of distraction, 5, 1-19; sensory and, 4, 596 f.; under disturbance and excitation, 5, 13; visual, 5, 9 ff.
 - Natural, an anomalous, 30, 63 f.
 - Patterns, 30, 189-203
 - Perceptions and, 19, 403
 - Questionary, 14, 22
 - Secondary movements in, 30, 232
 - Sensory, an anomalous, 30, 63 f.; effect of auditory distraction upon, 29, 129
 - Simple, 9, 421; an anomalous case of, 30, 62-5; 'flying' *vs.*, 30, 233-6
 - Telegraph key, an improved method of using, 28, 471
 - To verbal stimuli of emotional coloring, 27, 231 ff.
 - Types of, 8, 139
- Reaction-time**, 5, 11 ff., 278, 281
- Association reactions and, 27, 120 ff., 127 f., 131 f.; time and, 2, 487 f., 646 f.
 - Attention and, 5, 1-19; 6, 303 f.; 7, 533 f.; *see also* Reaction-time: Measure
 - Auditory, choice, distraction and, 5, 7 ff.; simple muscular distraction and, 5, 5 f.

Reaction-time (*continued*)

- Brightness change, 20, 126 f.
- Cerebral volume and, 9, 242
- Classificatory, 5, 233-9
- Classifying words, 4, 411-5
- Clearness and, 29, 204-7; *see also* Reaction-time: Measure
- Cognitive, 20, 192
- Colors, 1, 532, 709
- Conditions of, 15, 489-92
- Criticism of Wundt's view, 2, 485 f., 645 ff.
- Delayed, 21, 163-7, 223, 226
- Dextral differences, 5, 352-5
- Different grammatical classes and, 5, 232; parts of speech and, 5, 232
- Discrimination time and, 1, 325
- Discriminative, affective, 20, 187; sensible, 20, 187
- Effect of alcohol on, 1, 710 f.; negative instruction on, 23, 183-213; opium alkaloids on, 29, 128
- Electric stimuli, 1, 710
- Estimation of, by subjects, 5, 309
- Excitation and inhibition, 2, 168 f.
- Experiment, 5, 263 f.; introspective control of, 6, 408 ff.; types of subject in, 6, 242 ff.
- Hypnosis and, 1, 204; 2, 325
- Influence of practice, 18, 387 f.
- Insanity and, 1, 359 f.; 2, 344, 486 f., 656 f.
- Intelligence and, 15, 494, 496
- Judgments of lifted-weights and, 17, 499-514, 519-21
- Letters, 1, 708, 710
- Light intensity, 1, 710
- Manic-depressive patients and, 17, 49 f., 55-60
- Measure of attention (attributive clearness), 20, 127, 129, 486 f., 490, 492, 496 ff.; 24, 483 ff., 501 f.; 27, 453 f., 456 ff.; 29, 204-7
- Measurement of, 3, 577 f.
- Mental ability and, 15, 489-98
- Most important clue in diagnosis by association method, 21, 163-7
- Multiple stimuli and, 24, 134
- Muscular, 15, 490 ff.; *see also* Reaction
- Naming, 5, 235
- Perception, will, and judgment, 2, 166 ff.
- Personal equation, absolute, 2, 25-38; astronomers', 4, 462 ff.; determination methods, 2, 21-5; different observers, 2, 490; history of, 2, 1-21; nature and cause of, 2, 403-23; variations in, 2, 271-98
- Physical factors in, 22, 86 ff.
- Pulse rate and, 6, 467

Reaction-time (*continued*)

- Recognition, 4, 415-20; 27, 351 ff.
 - Relation to accuracy of report, 24, 486 f., 505 f.; 27, 457
 - direction of change, 27, 456
 - kind of change, 24, 485 f., 502; 27, 456
 - rate of change, 24, 485 f., 502
 - Retinal stimulation, 24, 132
 - School-children, 15, 492-8
 - Sensorial, 15, 490 ff.
 - Sensory and motor types, 1, 531 f.; muscular, 2, 166, 645 f.
 - Sound, 4, 462
 - Spearman's criticisms, 15, 494, 496
 - Subject's evaluation of, 5, 309
 - Temperature, 1, 322, 549, 550
 - Test of mental ability, 15, 489-98
 - Terms redefined, 28, 508
 - Types of, 15, 490 ff.
 - Visual, choice, distraction and, 5, 12-16; simple muscular, distraction and, 5, 9 ff.
 - When stimulus is applied to reacting hand, 5, 352-5
 - Wissler on, 15, 496
 - Word association, 20, 22-35
 - Words, 1, 708, 710
- Reading**, 4, 220; 10, 324
- Ability, study and rest affect, 27, 560 ff.
 - Acquisition of, 17, 77; rapid, by American Indians, 17, 69, 71-9
 - Alexia, 1, 548 f.; 2, 175 f., 516 f.
 - Automatic writing during, 26, 165-71, 177-84
 - By letters and by word form, 9, 421
 - Disorders of, 1, 548 f.
 - Extent of visual field in, 11, 298-302
 - Eye movements in, 9, 583-6; 11, 285-90; pauses, 11, 293-5; 12, 292; speed, 11, 291 ff.
 - Interpretative processes in, 12, 302-10
 - Learning, *see* Reading: Acquisition
 - Matter, practical suggestions for arrangement of, 12, 310 ff.
 - Method, practical suggestions for improvement of, 12, 310 ff.
 - Motorization in, 12, 308 f.
 - Need for study of, 11, 283 f.
 - Pauses of eye, number of words per fixation, 11, 298-302; 12, 292
 - Physiology of, 11, 283-302
 - Psychology of, 11, 283-302; 12, 83 ff.; 18, 144 f.; and pedagogy of, 19, 420; and physiology of, 9, 575-86; 11, 283-302; 12, 292-312
 - Rate of, under various instructions, 12, 294-8

Reading (*continued*)

- Silent, articulation in and efficiency, 27, 508
 - Speed in, normal, 28, 400; vertical *vs.* horizontal, 9, 575-80
 - Tests applied to manic-depressive patients, 17, 50, 60 f.
 - Times, 5, 576
 - Two sets of independent and parallel processes in, 12, 308 f.
 - Units, perception of, 12, 298-302
 - Verbal, 12, 309 f.
 - Visual, pure, 11, 225, 231-36
 - Writing and, simultaneous retention of skill in after lapse of practice, 28, 396
- Realism**, 14, 296; development of constructive, 29, 455; natural, psychological foundation, 4, 429-50; protest against, 27, 297; psychological foundation of, 4, 429-50; *see also* Philosophy
- Realistic psychology**, 27, 154
- Reality**, 14, 289; attempt to find, 11, 511; genetic theory of, 26, 312; hallucination *vs.*, 14, 291; known through ideas, 11, 518; nature of, 16, 135; problem of, 25, 136 ff.
- Reason**, 22, 473; in children, 22, 133, in Kant, 23, 380 ff.; infinite and, 27; 155; logic of, 19, 367; philosophy of, 19, 367; principle of sufficient, 10, 317; process of, 25, 77
- Reasoning**, 10, 605; 14, 118; 25, 308
- Animal, 25, 1-31
 - Bibliography on, 18, 503 f.
 - Chess and, 18, 288-92
 - Introspections and, 25, 47 ff.
 - Psychology of, 21, 510; experiments in, 18, 491-503
 - Sanford on, 18, 386
 - Study of, influenced by formal logic, 18, 490 f.
 - Test (Thurstone), 29, 329
 - What is it? 24, 592
- Recall**:
- Accuracy of content *vs.* accuracy of words, 27, 505
 - Agreeable *vs.* disagreeable images, 27, 469
 - Delayed, 27, 493 ff.
 - Directed, pleasant and unpleasant experiences, 28, 155
 - Efficiency of first attempt *vs.* succeeding ones, 27, 501
 - Experimental study of, 26, 217-28
 - Factors in, 20, 196, 205; determining the order of, 18, 398 f.
 - Imagery in, 25, 71 ff.

Recall (*continued*)

- Influence of intention to retain on, 27, 420 ff.
- Method of right associates and, 27, 421 ff.; used in recalling pictures, 18, 397-402
- Of details of pictures, 18, 405-16
- forgotten names, 6, 539 f.
- names of classmates, 27, 503 ff.
- pictures, imagery in, 18, 390-2, 397-420
- proper names, 27, 503 ff.
- response, 25, 567
- selections memorized in childhood, 27, 493 ff.
- Recency, effect of, on, 26, 224-7
- Recognition *vs.*, 24, 532
- Reconstructive, 27, 493-506
- Suggestions for further study of, 27, 506
- Theories of factors influencing, 18, 234-8
- Unconscious processes in, 22, 163 f.
- Use of association in, 18, 399-402
- See also* Forgetting; Learning; Memory; Recognition; Recollection; Retention
- Recapitulation**, complete, impossible, 10, 172; condensation and excision in, 10, 172; theory of, and the religious and moral discipline of children, 29, 371
- Recency**, the effect of, on recall and recognition, 26, 224-7; upon recognition, 24, 540
- Recidivism**, 3, 391
- Recidivists**, 3, 391
- Recognition**, 7, 249; 10, 161; 20, 72, 73, 75, 84, 277, 332; 28, 154
 - Aesthetics and, 14, 493
 - Analysis of, 22, 232 ff.; 26, 313-87
 - Arithmetical operations and, 17, 6 ff., 11 f., 26-9
 - Bibliography on, classified, 26, 384-7
 - Comparison and, 15, 305 ff.
 - Components of, 26, 343-75
 - Curves of, 27, 358 f.
 - Degrees of, 27, 341 ff., 347
 - Diagnostic, 20, 72, 75, 76
 - Distributed, 2, 595
 - Experimental studies in, 26, 217-28
 - Experimentation, history to 1904, 16, 215 f.; from 1899-1909, 21, 415 f.
 - Experiments with photographs, advertisements, letters and different type, 26, 318 ff.; with auditory, olfactory, tactual, and visual stimuli, 26, 321-4
 - Facilitation theory of, 27, 353, 357
 - Factors in, 24, 534

Recognition (*continued*)

- False, *see* Paramnesia
- Functional components of, 26, 343-70
- Imagery *vs.* imageless thought in, 27, 360
- Immediate, of tones, 18, 194-205
- Influence of knowledge of previous presentation, 27, 346 ff.
- number of objects perceived on, 27, 349
- practice on, 27, 344 ff.
- time, interval on, 2, 604 f., 610; of perception upon, 27, 349 f.
- Introspections on, 26, 324-43
- Katzaroff's experiments, 26, 317 f., 505-8
- 'Like' judgments as basis of theory of, 18, 253, 259 f.
- Localization of recognitions and the nature of, 27, 341-62
- Memory and, 11, 8 ff., 22 f.
- Method, 18, 211 f.
- James Mill on, 2, 242
- Neurological basis of, 27, 350 ff., 356 f.
- Of brightness, 2, 169 ff., 610
 - lifted-weights, 17, 497-521
 - mutilated words, auditorily presented, 12, 93-102; visually presented, 7, 350 ff., 361 ff.
 - tones, 2, 604 f.
- Paramnesia, *see* Paramnesia
- Presentation frequency and, 27, 353
- Process of, 26, 313-87
- Reaction-time and, 27, 351 ff.
- Recall of pictures and, 18, 406-16, 418 f.; 24, 532
- Recency, effect on, 24, 540; 26, 224 f.
- Repetition and, 2, 592; 24, 536
- Retention and, 11, 69
- Review of experimental literature, 26, 314-17
- Similarity degree and, 27, 350 f.
- Span of, 24, 540
- Structural components of, 26, 370-5
- Test of a single series *vs.* tests of several series, 27, 345
- Theories, of perception, 7, 237-48; summary of, 26, 381-4
- Time, 10, 286-92; elapsed and, 27, 354 ff.; familiarity and, 10, 287 ff.; immediate judgment and, 13, 257 ff.; material and, 10, 291 f.; required for, 10, 286-92
- Unrecognition and, errors of, 10, 291; relative times of, 10, 289 ff.
- See also* Forgetting; Learning; Memory; Recall; Recollection; Retention
- Recognitive consciousness**, 12, 410 f.

- 'Recognitory mood,' conditions of arousal, 11, 38
- Recollection**, Aristotle on, 2, 46-52; Augustine on, 2, 60; F. Bacon on, 2, 69; Brown on, 2, 239; Condillac on, 2, 74; constant sources of error in, 7, 304; E. Darwin on, 2, 227; Descartes on, 2, 66; Fichte on, 2, 231 f.; Fries on, 2, 235; Herbart on, 2, 248 f.; Plato on, 2, 41 ff.; Stewart on, 2, 238
- Reconstruction**, mental, *see* Conversion: Intellectual
- Reconstructive recall**, 27, 493-506
- Recorder**, *see* Apparatus
- Recovery**, intermittent in fatigued muscle, 3, 26-30
- Rectum**, diseases of, 18, 529; sensations of, 26, 49-55
- Red**, effect on sufferers from St. Vitus' dance, 18, 27; tarantism, 18, 31; vision, *see* Erythropia
- Reëducation**, 22, 460 f.; physical and mental, 20, 595
- Reflections of children**, 9, 379-86
- Reflex**, 5, 33, 85, 437, 477
- Action, after decapitation, 15, 530 f.
- coördination of, 15, 554-61
- crossed, 15, 554 f.
- functional segmentation of cord, 15, 557 f.
- history of, 3, 71-86, 149-67, 343-63; 15, 526-68; before 1853, 15, 526-31
- hygiene of, 1, 731 f.
- independent of consciousness (Lotze), 15, 528 f.
- inhibition, 15, 532-40
- knee-jerk, *see* Knee-jerk
- Lotze vs. Pflüger on, 15, 529, 561, 565 f.
- mechanical theory, 15, 527
- muscular tonus, 15, 547-51
- Pflüger's laws of, 3, 359 f.; 15, 554 f.; Lotze vs. on, 15, 529, 561 ff., 565 f.
- spread in cord, 15, 555 ff.
- summation, 15, 540-44
- tendons, 15, 551-4
- theories, 15, 561-8; Lange's, 15, 565; Lewes', 15, 563 f.; Longet's, 15, 560; Stoics', 3, 72; Talma's, 15, 564; Wundt's, 15, 562 f.
- transmission of, 15, 554-61
- vascular tonus, 15, 544-7
- Activity, emotion and, 25, 263 ff.
- Circuit, 5, 272
- Condition, 27, 71 f., 74
- Consciousness, 30, 255 ff.
- Reflex** (*continued*)
- Coördination, Sherrington on, 15, 559
- Course of nervous impulse in, 1, 488
- Crossed, 5, 84, 276; Gergens on, 15, 555; Goltz on, 15, 554 f.; Sherrington on, 15, 555; tactile, 1, 323
- Electrical theory of, 3, 80-5
- Hypnotic state and, 7, 438
- In frog, 1, 323; crossed tactile, 1, 323
- Inhibition of, 15, 532-9
- Limen, attention and, 26, 435
- Mating, in frog, 1, 323
- Movement, of eye, 4, 488
- Pupillary, of rabbit, 1, 314
- Purposive, Sherrington on, 15, 566 f.
- Refractory phase of protective-wink reflex, 24, 1
- Spread of, Mendelsohn on, 15, 555 f.; Sherrington, 15, 555 f.
- Stimulus, muscle sense as (Talma), 15, 561
- Thresholds, a comparison of, with sensory thresholds, 26, 428-37
- Vascular, 9, 242
- Winking, 8, 582; 21, 428-37; recording device for, 24, 4; refractory phase of, 24, 1
- Regicides**, 6, 143
- Regeneration**, of nerve fibers, 11, 594; of taste organs, 1, 705 f.; physical, an exposé of, 29, 127; religious, anthropology and, 6, 63 f.
- Regression**, law of, 9, 460 f.; explained, 21, 210 f.; in dreams defined, 21, 294 f.
- Regularity**, law of, 5, 4 f.
- Reincarnation**, primitive notions of, 27, 187
- Reinforcement**, of knee-jerk, 1, 712; of one stimulus by another, 1, 530 f.
- Rejuvenation**, 5, 109
- Relation**:
- Analysis of, 22, 242 ff.
- Awareness of, 30, 8 f., 13-17
- Element of consciousness, 6, 306 f.; 20, 272, 274-7
- Feeling of, 20, 589; 30, 1-26
- Meaning of, 30, 4 ff., 8 f., 12-17
- Of equivalence, 20, 276; likeness, 20, 276; mental processes, 10, 342-8; opposition, 20, 276; time, 27, 3
- Relative times for recognition and unrecognition, 10, 289 ff.
- Relativity, of space and time, 15, 1 f., 11
- Relaxation, 20, 270, 273, 274, 389, 400, 437; as effective quality, 17, 369 f., 374, 377, 380, 384, 386, 389,

- Relaxation** (*continued*)
 556 f.; judgments, feeling and, *see* **Feeling**; psychology of, 27, 290; and strain, time judgment and, *see* **Time-judgment**
- Reliability**, measure of, 20, 365, 367; statistical, mathematical gauges of, 6, 431 f.
- Religio doctoris**, 25, 313
- Religion**, 10, 160, 308, 312, 316; 20, 107-19, 221; 22, 319; 27, 154; 28, 161, 305, 308, 578, 611
 Adolescence and, 9, 77 f.
 Asceticism, 13, 72
 Belief, right to, 21, 506; in God and immortality, 28, 305
 Bibliography, 29, 47
 Book of Mormon, authorship of, 28, 373-89; 30, 66-72; criticism of article on, 30, 66-72; rejoinder to criticism, 30, 427 f.; psychological tests for, 28, 373
 Buddhism, 9, 131; 19, 413; disease a punishment in, 20, 225; immortality and, 20, 140; Nichiren, the prophet, 28, 609; Nirvana, way to, 28, 612
 Buddhist manual of the 4th Century, 12, 143
 Child's, 9, 72-7; 21, 341
 Christendom and, 10, 324; end of, 10, 597
 Christian, 20, 108, 113, 233, 239, 246, 248, 250; 30, 118; doctrine of faith, 7, 357; of justification, 7, 356 f.; of will, determinism, and Grace, 7, 364-70; primer of, 13, 321
 Christian Science, cures of, *see* **Psychotherapy**; exposé of, 13, 323
 Christianity, evolution of, 10, 597; fear of death and, 26, 560 ff.; idealism and, 9, 241; science and, 9, 132
 Conversion, during adolescence, 9, 79 f.; hysterical, 21, 188 f.; questionnaire on, 7, 371
 Credible doctrine, 14, 115
 Defined, 29, 375; 13, 81 ff.
 Destined to vanish, 9, 415
 Devil worship, 8, 134
 Edwardean revivals, 13, 550
 Egypt's, 10, 316 f.
 Faith of the future, 10, 317
 Feeling and, 13, 86
 Future of, 13, 80-8
 Genesis, problem of, 11, 278
 God, concept of, 7, 447; existence of, 8, 579; Plato's concept, 14, 262
 Healing and, 20, 227
- Religion** (*continued*)
 Higher criticism of the New Testament, history of, 12, 143
 Historic, 13, 84
 Höfding's theory, 15, 108-13
 Infant baptism to remove taboo, 10, 211-13
 Jesus', 9, 132
 Kant on, 23, 396 ff., 406 ff.
 Nature of, 13, 577
 Magic and, 13, 451
 Manatism, study in the psychology of, 19, 1 ff.
 Martineau's philosophy of, 13, 579
 Mc Cullough on, 17, 136 f.
 Medicine and, 19, 427
 Mental reconstruction and, 18, 362-68
 Modern ideals in morals and society, 19, 431
 Monotheism, 20, 223
 Natural, 7, 443; science and, 10, 596
 Nature of true, 13, 571
 New England's position in, 13, 560
 Of science and of the spirit, 8, 581
 Oriental, 23, 153
 Origin of, 13, 82 f.; 20, 109-19; and function of, 19, 143
 Pantheism in primitive religion, 27, 193 ff.
 Patrology, 10, 598
 Phallicism, 7, 191-7
 Philosophy of, 1, 546; 10, 597; 13, 584; *see also* **Philosophy**
 Polytheism, 20, 113, 223
 Precocity and, 16, 164 f.
 Primitive, 21, 374 f., 380; 27, 171 ff.; basis of, 27, 171; pantheism in, 27, 193 ff.; social organization and, 21, 380; totemism in, 21, 374 f., 380; peoples', 9, 132; 25, 315
 Psychological elements of religious faith, 13, 580; necessity for, 13, 80-7
 Psychology of, 8, 424, 578; 9, 70-124; 27, 287; bibliography, 29, 47; manatism, 29, 1; religious phenomena, 7, 309
 Purification by water, 10, 209 f.
 Puritanism to pragmatism, 26, 471
 Questionary on, 9, 71
 Race and, 11, 599
 Revelation and ethics, 10, 597
 Revivals, Chauncey's criticism of, 13, 561 f.
 Right to believe, 21, 506
 Salvation, outward signs of, 13, 572 f.

Religion (*continued*)

- Science and, 1, 545 f.; 8, 581; harmonized, 16, 135
- Sex and, 8, 578; worship, 10, 321
- Shakerism, 20, 254; *see also* Shakers
- Shock and, 25, 186 f.
- Social betterment and, 30, 119
- Stigmata on French nun, 1, 739; produced by hypnotic suggestion, 4, 468
- Study of, 13, 62-79
- Taboo, 29, 386; totem and, 25, 315; in education, 27, 154; origin of, 21, 381 f.; removed by infant baptism, 10, 211 ff.; sexual, 7, 131
- Talmud, 3, 246
- Theistic philosophy of, 9, 132
- Theological, 8, 425
- Thought and, development of in ancient Egypt, 24, 286
- Transcendentalism, *see* Transcendentalism
- Tree in, 9, 132; worship, 9, 467-80
- Unitarianism in America, 13, 582
- Virgin birth of Christ, 15, 114 f.
- What men live by, 26, 158
- See also* Religious; Theology
- Religiosity, 27, 297 ff.
- Religious:**
- Activity heightened during adolescence, 9, 88
- Belief, adults', 9, 112 f.; biological value of, 29, 383; reconstructed, 9, 103; revolt against, 9, 92
- Biographies, empirical study of, 9, 70-124
- Consciousness, adults', 9, 112 ff.
- Conversion, psychology of, 18, 365 ff.
- Customs, revolt against, 9, 92 ff.
- Discipline of children, and the theory of recapitulation, 29, 371
- Doubt, 9, 89, 92; feelings incident to, 9, 94 f.; influences occasioning, 9, 89; period of, 9, 91 f.; sex differences, 9, 89 ff., 92
- Education, 6, 97 f.; American democracy and, 29, 456; Sunday kindergarten, 21, 340; social theory of, 29, 126
- Emotion, 6, 39; study of, 13, 62-79
- Epidemics, 18, 45-57
- Experience, period of reconstruction, 9, 102 ff.; sudden awakening of, 9, 77 ff., 92; trend of, 9, 103 f.
- Faith, hypothesis of man's, 29, 234
- Feelings, adults', 9, 113-6; development of, in the individual, 13, 67; elements which take place of, 9, 99-102; variance with age, 9, 115

Religious (*continued*)

- Growth, critical period in, 9, 104; different lines of, 9, 124; gradual, 9, 109-12; some aspects of, 9, 70-124; trend of, 9, 104
- Ideals, 9, 116-9; Eucken on, 7, 444; relative prominence of certain, 9, 118
- Ideas, early spread of, 6, 458
- Interest, periods of, 9, 82 f.
- Life, external influences on, 9, 107 ff.; gradual growth of, 9, 109-12; in relation to the reproductive instinct, 9, 120 f.; ways of approach to, 9, 105 ff.
- Motive, the, 7, 312-22
- Objects doubted, 9, 90
- Phenomena, a study of, 7, 309; in the psychology of, 7, 309-85
- Precocity, 16, 164 f.
- Reconstruction, age of, 9, 104
- Reivals, 6, 96 f.; appeal to emotion in, 13, 562 ff.; censoriousness and, 13, 564 f.; Chauncey's criticisms of, 13, 561 f.; Edwardean studied, 13, 550-74; J. Edward's defense of, 13, 569 f.; 'great awakening,' 6, 96 ff.; in New England, 13, 553-74; inspiration, immediate, 13, 565 f.; of the 'New Lights,' 13, 557-60; of 1734-5 and 1740-1; 13, 553 f.
- Thought in literature, 27, 297 ff.
- Remembrance**, of problems and their solutions, 25, 32-81
- Reminiscences**, of childhood clubs, 9, 431-42; G. S. Hall's, 28, 297
- Repetitions:**
- Distribution of, 24, 580
- Effect of foreknowledge upon, 4, 198-201; upon learning, *see* Learning; upon recognition, *see* Recognition
- Equivalence of, for recall and recognition, 26, 217-9
- Influence of suppressing articulation on the favorable effect of distributing, 26, 286 ff.
- Lapse of verbal meaning and, 30, 415-18
- Report, accuracy of, 24, 152; intelligibility of, 24, 149; misrepresentation in, 24, 152
- Repression, 22, 479 f.; defined, 21, 193; instances of, 21, 193 f., 210; substitutes for, 21, 196; true cause of forgetting, 21, 193, 303
- Reproduction, angles, 5, 214-23; association and, 25, 567 f.; memorial, 11,

Reproduction (*continued*)

6 f., 10; method, 25, 569, *see also* **Aussage**; **Method**: Memory; physiology of, 3, 247; *see also* **Recall**

Reproductive power, veneration of, *see* **Phallicism**

Repulsion, of **Paramoecium** explained, 10, 511-14; emotion and, 28, 391 ff.; stimulus to arouse, 28, 339

Research, authorship and, 14, 591; in pathological psychology and biochemistry, 28, 117; in state hospitals, 15, 118; teaching *vs.*, 23, 230, 234 f.

Resistance, sensations of, 4, 154 f.; sense of, Goldscheider on, 2, 671

Respiration:

Aid in estimation of time interval, 13, 24 ff.

Attention and, 16, 261 ff.; 17, 406, 412; fluctuations of, 12, 340 ff., 344

Changes in feeling, 17, 532-84

Curves, plates showing, 12, 560 ff.

Effect on knee-jerk, 1, 55 f.

Influence on psychical and physical activity, 9, 560-71

Music affects, 17, 406

Relation of, to spoken rhythm, 12, 493, 505-9, 527, 532, 560-9

See also **Breathing**

Response, organic and inorganic, 15, 453 f.; psychological, to unknown proper names, 27, 430-4; 28, 436

Rest days, 28, 612; in nervous and mental diseases, 29, 127; periods, advantages of in learning chess, 18, 298; suggestion, and other therapeutic measures in nervous and mental diseases, 29, 127

Retardation:

Definition, 20, 38

In depression, *see* **Abnormal**: Insanity, depressive

Of joint-movement with age, 5, 160, 173, 175; mental processes in insanity, 17, 38-68

Quantitative measure of, 20, 39, 51-4

Relation to depression, 20, 54-7

Symptom of manic-depressive insanity, 20, 38, 46-59

Retention:

Difference of attitude in learning for temporary and for permanent, 27, 421 ff.

Effects of recognition upon, 11, 69

Influence of learning with intention permanently to retain upon, 27, 420 ff.

Memorial, 11, 11 f.

Nervous mechanism of, 24, 245

Retention (*continued*)

Number of repetitions and, 2, 591 f.

Of acquired capacities, 26, 58-67 agreeable *vs.* disagreeable experiences, 27, 469

association in insane, 28, 419

skill, after lapse of practice, in reading and writing, 28, 396

Time and, 2, 593

See also **Forgetting**; **Learning**; **Memory**; **Recall**

Retentiveness:

Adult, 20, 318-52; child and, 20, 318-52

First and final attempted recalls as measures of, 27, 502

Quickness of learning in relation to, 27, 293

See also **Forgetting**; **Learning**; **Memory**; **Recall**; **Retention**

Retina:

Circulation of, 4, 482; literature on, 12, 281 ff.; mapping of, 12, 281 ff.

Effect of illumination, 2, 185

Fatigue of, 6, 475

Histogenesis of, 6, 290 f.

Histological study of human, 3, 188 ff.

'Own-light' disturbs perception of faint lights, 3, 287

Response of, lag in, 30, 41 f., 58

Sensitivity of, 23, 328 ff.

Stimulation, intermittent, 2, 479 f.; mechanical, 3, 364 ff.; 4, 484

Visual units in, 2, 185

See also **Eye**

Retinal:

Images, 5, 274; projection of, 9, 56-9

Rivalry, 5, 412 f.; fluctuation of, in after-image, 20, 131-5

Stimulation, duration *vs.* intensity of, 1, 548; reaction time to, 24, 132

Retroactive amnesia, *see* **Amnesia**

Retrogression, changes which accompany, 10, 180 f.; to aquatic life, 10, 178 ff.

Revelation, *see* **Religion**

Reversion, shock and, 25, 162

Revivals, *see* **Religious**

Revelsion, 20, 437, 438

Rhymes, nursery, rhythms of, 12, 369-82; stanza forms of, 12, 361-9

Rhythm, 4, 220; 5, 46, 52, 119, 137; 6, 145 ff.; 10, 159; 20, 145, 332, 594; 27, 293

Accent, a subjective factor, 12, 559 f.

Aesthetic feeling not a criterion of, 12, 501

Affective value of, 17, 380-9

Rhythm (*continued*)

- Apparatus for, *see* Apparatus
 Attention and, 6, 155 f., 211 ff., 220 ff., 236
 Auditory, 6, 178 ff.
 Behavior and, 24, 187, 311; 30, 377-405
 birds and, 30, 164-72
 of organic responses, 30, 189-210
 Bibliography on, 13, 28-34 (annotated); 24, 508; 26, 457-9; 29, 214
 Children's speech and, 6, 310 f.
 Concomitant movement of, 12, 510, 569-74
 Consciousness and, 15, 5-7
 Dancing and, 6, 159
 Diurnal, 15, 461; Traube-Hering waves and, 15, 508-11
 Emotional effects of, 6, 163 ff., 236 f.
 Emphasis, intensive, and, 12, 501-33, 546 f.
 Examples of, in French declamations, 22, 600
 Feeling and, 12, 586-9
 Genetic study of, 12, 492-589
 Imitation of, 6, 624 f.
 Inheritance of, 24, 180
 Involuntary grouping, 12, 498-504
 Law in life and mind, 10, 20-7
 Life and, 10, 19; 27, 293
 Meter, 12, 361-87; English, 13, 170
 Music and, 6, 166 f.
 Musical tests of, 16, 309 ff.
 Muscular movements and, 6, 234 ff.
 Nature and, 6, 146 ff.; of, 12, 583-9
 Objective factors of, 12, 541-59
 Of nursery rhymes, 12, 369-82
 speech, 6, 156 ff.; relation of breathing to, 12, 493, 505-9; 527, 532, 560-9
 Oratorical, 7, 294
 Pauses and, 12, 513 ff., 519, 526 ff., 531, 524 f.
 Perception of, kinaesthesia and, 24, 305
 Physiological, 6, 149 ff., 524 f.
 Poetry and, 6, 167 ff., 233 f., 237 f.
 Principles of, 6, 237
 Qualitative (pitch) emphasis and, 12, 493, 501-33, 546-59
 Quantitative, study of, 20, 595
 Reading irregularly spaced syllables and, 18, 505-13
 Sleep, 12, 171; induced by, 6, 544 f.
 Teaching, 24, 193, 198, 199
 Tempo of, influence of an accompaniment on the, 12, 577
 Temporal emphasis and, 12, 501-33, 544 ff.

Rhythm (*continued*)

- Test of, 24, 189, 193
 Theory of, 22, 600
 Time and, 22, 601; 27, 2, 4, 8f., 18 f.
 Time and number, 13, 88-97
 intervals compared by, 18, 178-82
 Types of, 24, 180
 Visual imagery and, 6, 235
 Voluntary grouping, 12, 510-33
See also Time
 Rhythmic forms, classified, 12, 533-40
 Rhythmical, integration, 13, 88; subjects *vs.* unrhythmical, 12, 574 f.
 Rhythms, college yells, 12, 382 ff.; common, 12, 384-7; in growth of children, 9, 269-72; nursery, 12, 369-82; psychology of, 13, 28-61
 Ribot, Theodule Armand, in memoriam, 28, 312; on introspection, 23, 429; theory of attention, 8, 8 ff.
 Ridicule, 9, 27
 Riddle of existence, 10, 315
 Riddles, 6, 30 ff.; 11, 271 ff.; history of, 8, 484 f.
 Right, and left, discrimination of, 6, 536 ff.; and wrong cases, method of, *see* Method; associates, method of, *see* Method; law of, 19, 364
 Right-handedness, *see* Dextrality
 Rites and ceremonies, development of the self and, 27, 188 f.
 Rivalry, dermal, 1, 95 f.; of after-images, 20, 131-5; retinal, *see* Retinal
 Rivers of death, 10, 206-8
 Robin, *see* Animals
 Rods, 5, 36; cones and, 6, 290 f.; *see also* Retina
 Romanes' definition of mind, 11, 110 f.; doctrine of mental development, 11, 101-18; evolution of mind and body, 11, 115 ff.; mental evolution, 11, 108 ff.; philosophy of, 11, 101-6; psychology of, 11, 101-6; relation of mind and body, 11, 112 ff.
 Rome, University of, psychological contributions, 24, 132
 Rosicrucians, 3, 73
 Rotation, sensations of, 1, 181; 4, 150 f.; 23, 62
 Roving, origin and growth of, 10, 45-7, 52-5; relation to curiosity, 10, 50 f.; social and domestic significance of, 10, 5
 Rudimentary traits, mental, 10, 182
 S
 Sacred water, *see* Water
 Sacrifices, 6, 74 f.; of valuables during plagues, 18, 11

- Sadism, *see* Abnormal: Sexual perversion
- Sagas, *see* Myths
- Saint Anne de Beupré, 20, 252
- Saint John's dance, *see* Abnormal: Mania, dancing
- Saint Louis Congress, *see* Meetings
- Saint Vitus' dance, *see* Abnormal: Mania, dancing
- Saints, sexual life of, 13, 172
- Salamander, *see* Animals
- Salishan Indians, *see* Anthropology
- Salt, 5, 96; 14, 414; effect on brain, 1, 694
- Salvation, *see* Religion
- Sarcasm, 9, 26
- Satiety, 20, 395, 399, 415
- Satire, 9, 26; comedy and, 22, 149
- Satisfaction, 20, 387, 395
- Saturation of color, 7, 386-404; 24, 171; area of spread and, 13, 481-7; *see also* Color: Preferences
- Satyriasis, *see* Abnormal
- Savages, *see* Anthropology
- Saving method, *see* Method
- Scheiner's experiment, 4, 477 f.; 5, 261
- School:
- Child, *see* Child
 - Hygiene, 1, 349 f.; 27, 153; nervous system, 7, 441
 - Immigrant and, 27, 155
 - Physiological effects of, 26, 616
 - Special, for backward children, 21, 280
 - Studies, pupils' interest in, 26, 618
 - Subjects, arithmetic, learning economy, 27, 507 ff. psychology of, 27, 441
 - Success at, handwriting and, 17, 394-404; intelligence *vs.*, 15, 259-81
 - Work for mentally deficient, 29, 126
- See also* Education; Pedagogy
- Science, beginnings of, 30, 240; Christianity and, 9, 132; classification of, 10, 161 f.; concepts of, 13, 453; French, 28, 610; grammar of, 11, 597; history of, importance, 9, 241; hypothesis and, 30, 319; of selves, psychology as, 26, 68-98; origin of, 11, 450 f.; psychology and, related, 23, 480, 595; psychology as a natural, 10, 601 f.; pure and applied, 30, 215 f.
- Scientific research, resolution on, by American Federation of Labor, 30, 433; types, experimental study of, 28, 238
- Scotomata, visual hallucinations and, 15, 586 f.
- Sculpture, 6, 45
- Sea, origin of life in, 10, 177 f.
- Seal, *see* Animals
- Search, natural logic of, 8, 475 ff.
- Seclusion, puberty and, 6, 69 ff.
- Sects, psychology of, 9, 416, 596 ff.; *see also* Religion
- Selection, natural, Darwin's principles of, 15, 454
- Selective activities of *Vorticella gracilis* and psychoses, 10, 258 ff.; *see also* Animals
- Self:
- Ancestor worship and the development of, 27, 188
 - Aggregate of qualities, 9, 391 f.
 - Changes of, 27, 189 ff.; in every-day life, 27, 201 f.
 - Characters of, summarized, 26, 78
 - Child's sense of, 9, 351-95
 - Complexity of, 26, 82
 - Consciousness of, 6, 32, 38; 24, 434; affected by clothes and adornment, 9, 364-7; in recognition, 26, 373f.; *see also* Self-consciousness
 - Disclosed by introspection, 26, 505-19
 - Dream-double as a part of, 27, 180
 - Extended, in deception, 11, 440, 447-51
 - Failure to discover by introspection, 26, 519-24
 - Idea of, Bradley, 15, 376 f.
 - Calkins, 26, 72-5
 - difficulties in, 26, 86-9
 - Howisson, 15, 376
 - James, 15, 375; *vs.* Calkins, 26, 75-8
 - Marshall, 15, 375 f.
 - primitive, 27, 171-202; name, shadow and, 27, 175 ff.
 - psychologists', 26, 495 ff.
 - Royce, 15, 377 f.
 - Schiller, 15, 376
 - Influence of others on, 9, 386-93
 - Initiation ceremonies transform, 27, 197 ff.
 - Knower and known, 26, 85 f.
 - Names a part of, 27, 175 f.
 - Non-experimental introspection and, 26, 516-9
 - Origin of, and ancestor worship, 27, 188
 - Persistence, 26, 78 ff.
 - Personal *vs.* group, 27, 183 ff.
 - Physical, earliest parts to attract infants' attention, 9, 351-7
 - Picture a part of, 27, 178
 - Property as a part of, 27, 180 f.
 - Psychology as science of selves, 26, 68-98; scientific and, 26, 495-524

- Self** (*continued*)
 Reality of, 6, 653
 Relatedness of, 26, 82-5
 Rites, ceremonies and development of, 27, 188 f.
 Shadow a part of, 27, 176 f.
 Shape of, child's idea, 9, 372-9
 Somatic consciousness of, 9, 362 ff.
 Soul as a part of, 27, 179
 Study of, 25, 142
 Synonym for soul, 15, 375-8
 System of ideas, 9, 130
 Uniqueness of, 26, 80 f.
Self-consciousness, 22, 320, 540 ff.
 Conditions of, 22, 548 f., 551
 Content of, 22, 545 ff., 550 f.
 Development of, 27, 181 f.
 Importance of the mirror to, 9, 367
 Introspection and, 23, 439 ff.
 Modes of, 22, 541 f.
 Presence and continuity of, 22, 541 ff., 559 f.
 Spinoza's ideas on, 18, 517
Self-observation, 5, 259; 23, 433 f., 439 ff.
Self-psychology, claims, 26, 68-72; method, 26, 89 ff.; problem, 26, 91 f.; results, 26, 92-5; summary criticism of, 26, 95-8
Self-realization, 25, 144
Semicircular canals, *see* Ear
Semitone, 14, 468; *see also* Audition; Tone
Senescence, 5, 109; 8, 67-122; child's ideas of, 8, 88 ff.; growth and, 9, 308 f.; involution in, 8, 76-85; sexual life in, 8, 120 ff.; *see also* Old age
Senile dementia, *see* Abnormal
Sensation, 5, 98, 104 f., 278 f.; 14, 454; 20, 85, 94, 101, 104; 23, 480
 Affection and, 20, 158 f., 269, 388 f.; *vs.*, 20, 157-93
 Affective dimensions of, 19, 213-31
 tone, test by serial method, 7, 57
 Alimentary canal, 26, 1-57
 Analysis of, 11, 600; 13, 171
 Animals, *see* Animals
 Background and, 23, 540 f.
 Colon, 26, 55
 Color, 20, 173-8; demonstration, 14, 443; in color-blindness, 22, 369 ff.
 Compensatory motions and the semi-circular canals, 19, 146
 Contact, 4, 142 ff.
 Crude, transferred into clear perceptions, 19, 362
 Cutaneous, 5, 279 ff.; 14, 452; 20, 179-82, 397, 402, 441; attention
- Sensation: Cutaneous** (*continued*)
 and, 16, 446 f.; tickle and itch, 21, 180
 Death, 29, 451
 Differences, 5, 247; equal, 20, 3 ff.; just noticeable, 20, 4, 88-92
 Element of consciousness, 20, 85, 269
 Esophagus, 26, 14-40
 Experimental work up to 1904, 16, 211 ff.; 1899-1909, 21, 409 ff.
 Fatigue, *see* Fatigue
 Feeling, attribute, 19, 213; *see also* Feeling
 General, Pacini corpuscles and, 2, 173
 Idea of, Aristotle's, 4, 195 ff.; Bacon's, 11, 57 f.; Bonnet's, 2, 78
 Image and, 22, 364 ff.; image *vs.*, 27, 461
 Increment of, 20, 4
 Inhibition of, 23, 345 ff.; independent of, 15, 535 f.
 Insects, *see* Animals
 Intensity, *see* Intensity
 education, 19, 286
 Intermittences of, 17, 83-120
 Joint, 12, 346-53; 20, 380 f., 385, 396, 443
 Kinaesthetic, 19, 315
 Light, intensive, and qualitative judgments of, 26, 296-9
 Mnemic, 20, 594
 Motion, 4, 154; progressive, 4, 151
 Movement, 5, 275, 284; origin of, in joint, 12, 346-53; in tendons, 12, 352 f.; *see also* Movement
 Muscle, 20, 443
 Muscular effort, 5, 273
 Observation of, 26, 260-4
 Organic, 19, 227, 290-344; 20, 180, 273, 386-446; afferent innervation, 20, 405-12; in dreams, 14, 278; importance of studying, 21, 410
 Pleasantness and unpleasantness of, 19, 213; *see also* Pleasantness; Unpleasantness
 Pressure, 4, 146 ff.
 Primary and secondary elements, 19, 271; 21, 348
 Pseudo, 5, 20; *see also* Synaesthesia
 Psychophysics of, and memory problems, 29, 219 (footnote)
 Rectum, 26, 49-55
 Relativity of, 5, 278
 Resistance, 4, 154 f.
 Rotation, 4, 150 f.; 22, 603
 Scale of, 20, 3
 Sense perception, 13, 477
 Sentiment and, 25, 301-7

- Sensation** (*continued*)
 Somatic, 20, 387
 Stimulus *vs.*, 12, 135-9
 Stomach, 26, 40-9
 Strain, 20, 272, 274, 443, 532 f.
 Subconscious, 14, 344
 Suggestion, 19, 574
 System and, 26, 258-67
 Tactual, 19, 315; 23, 59 ff., 70
 Temperature, 4, 144 ff.
 Terminology, 22, 444
 Thought and, 8, 422
 Tickling in relation to organic and cutaneous, 19, 289-344
 Tingling, 20, 437 f.
 Translation, 1, 181
 Values, negative, 3, 385
 Volkmann on, 15, 527, 531
 Warmth, localization, 26, 142-50
See also Audition; Cutaneous; Organic; Sense; Senses; Sensitivity; Smell; Taste; Vision
- Sensationalism**, abandonment of, 20, 269-77; English philosophers and, 4, 230-47
 Spinoza's, 18, 515 f.
- Sense**:
 Cutaneous, *see* Cutaneous; Skin
 Effort, *see* Effort
 Equilibrium, *see* Equilibrium
 Experience beyond, 23, 342
 Fatigue, *see* Fatigue
 General and organic, *see* Organic:
 Sensation
 Hearing, *see* Audition
 Idea of, Bacon's, 11, 57 f.; Hobbes', 11, 51; Scholastics, 2, 64
 Innervation, *see* Innervation
 Kinaesthetic, *see* Kinaesthetic
 Muscular, *see* Muscle; *see also* Kinaesthetic
 Organs, 5, 13, 15; in deaf-mutes, 4, 248-94; in plants, 22, 127; in fish, *see* Animals; *see also* End-organs
 Pain, *see* Pain
 Perception, Aristotle on, 2, 44 f.; Plotinus on, 2, 55; Stoics on, 2, 54
 Rotational, *see* Rotation
 Sight, *see* Vision
 Smell, *see* Smell
 Static, *see* Static
 Taste, *see* Taste
 Temperature, *see* Temperature
 Touch, *see* Touch
 Visual, *see* Vision
See also Sensation; Sensitivity
- Sense-epithets**, 11, 592
- Sense-feeling**, 1, 182; 27, 169 f.; not emotion, 15, 570
- Sense-impressions**, 5, 229, 239 f., 243, 245
- Sense-memory**, 5, 370-84; law of, 5, 382
- Senses**:
 Animals, *see* Animals
 Development in child, 19, 570
 Dreams and, 23, 65
 Fine arts and, 23, 66 f.
 Function of, 23, 59 ff.
 Hallucinations and, 23, 65 f.
 Illusions and, 23, 66
 Loss of, 23, 67 f.
 Material for symbols, 23, 68
 Physiology of, 5, 261; 21, 511
 Study of, 23, 585 f.
See also Sensation; Sense; Sensitivity
- Sensibolometer**, *see* Apparatus
- Sensitive temperament**, 19, 523-8; sensitive-active, 19, 532; sensitive-contemplative, 19, 524; sensitive-humble, 19, 523
- Sensitiveness**:
 Affective, 24, 583
 to articulate sounds, 26, 289 ff.
 to colors, 26, 289 ff.
 to tone intervals, 26, 289 ff.
 Differential, analyzed, 11, 266-71
- Sensitivity**:
 Alimentary canal, 26, 14-57, 485-94
 Cutaneous, 5, 248; 7, 42-57; of hand, 16, 237 ff.
 Discriminative, 5, 280
 Glans penis, 5, 106
 Measure of, 25, 538-43
 Pain, age and, 11, 312-5; fatigue and, 11, 312-5; intelligence and, 11, 315 ff.; regional differences of, 11, 312 f.; sex-differences in, 11, 312-5
 Relative, of large and small muscles, 12, 240-63
 Regional differences, 19, 328, 336; of pain, 11, 312 f.
 Retinal, 23, 328 ff.
 White rats, 11, 81-95; *see also* Animals
 Women, 8, 137
See also Sensation; Sense; Senses
- Sensori-motor**, nerve-circuit of muscles, 5, 272 f.
- Sensory**:
 Circles, Weber's, 4, 143
 Development, of chicks, 10, 265-76
 Discrimination, accuracy in, 20, 364-9
 child's, 20, 144; normal and feeble-minded, 26, 614 f.
 intellect and, 20, 366-9

- Sensory: Discrimination** (*continued*)
of length, 20, 364; of weight, 20, 364
see also Discrimination
Fibers, 5, 36
Judgment, 20, 158, 178; development in child, 20, 142-5
Lesions, motor effects, 5, 550
Nerve, 5, 34, 272 f., 279
Reactions, 6, 242 ff.; auditory distraction and, 29, 129
Responses, chemical theory of, 25, 500-27
Suggestion, study of, 26, 99-129
Thresholds, reflex *vs.*, 26, 428-37
See also Sensation; Sense; Senses; Sensitivity
- Sentence**, average length of, 6, 144; indeterminate, 3, 233 f.; method, 25, 571
- Sentiment**, affective, 14, 283; during puberty, 30, 238; logic of, 16, 138; sensation and, 25, 301-7
- Serialization**, 20, 72, 73
- Serial method**, testing, affective tone of sensations by, 7, 57
- Series**, abrupt, monocular, 14, 183
- Sertoli's cell**, 5, 548
- Service**, public, universal training for, 29, 456
- 'Set,'** arithmetic problems, 17, 4, 6, 16-19, 22, 27; cortical, 23, 205 f.; muscular, in lifted-weight perception, 17, 521; reasoning problems and, 18, 503; *see also* Attitude
- Sex:**
Activity, repression of, 13, 328-54
Anxieties, fear and, 25, 167
Art and, 7, 153; 11, 276
Care of young and, 7, 171
Clothes and, *see* Clothes
Complexes, 27, 134, 142
Crimes, 1, 544
Curiosity, child's, 21, 252-69, 323
Cytology of, 1, 543
Differences, 7, 157, 207-10; 23, 77, 87
affectability, 20, 360 ff.
association reactions, 27, 128 f.
tests, 24, 415
character types, 19, 523
children, animistic beliefs, 9, 498
growth in height, 9, 256 f.; in weight, 9, 261
newborn, anthropometric measurements, 12, 13-19; height, 9, 255; weight, 9, 260
school-, 21, 280
spontaneous clubs, 9, 427, 431, 446
color vision, paracentral, 6, 501
- Sex: Differences** (*continued*)
courting, 7, 205-9
day dreaming, 15, 488
dextrality, index of, 20, 352, 358
fatigue, 19, 352; 20, 356
fishes, 12, 355, 357
handwriting, 17, 394-404
illusions of weight, 6, 355 f.
immediacy of moral judgments, 9, 219
intelligence, 15, 235 f., 260 f., 266
jealousy, 17, 483
judgments of size of familiar objects, 9, 140-66
man and woman, 20, 459; physical 10, 153, 601
memories, 10, 231-4
mental development, 18, 357, 359-63, 365 ff.
mind, 29, 449
motor ability, 9, 528 f.; 14, 625
nostalgia, 10, 75 f.
rats, behavior, 12, 211 f.
religious doubt, 9, 89 ff., 92
sensitivity to pain, 6, 621 f.; 8, 137; 10, 393, 396; 11, 312-5
shame and, 10, 153
sickness liability, 9, 289
strength, 10, 393, 396
suicide, 10, 185
superstitious belief, 30, 87 f., 94 ff.
suppression and substitution as factor in, 24, 414
tapping rate, 5, 151-6, 160; 20, 353-63
touch, keenness of, 6, 327 f.
variability, 20, 360 f.
work-curve, 20, 353-63
- Differentiation of**, 5, 548
- Education and**, 3, 259; 20, 297-317
- Emotion and**, 28, 391 ff.
- Ethics**, 19, 572; 28, 306; rational, 30, 117, 430
- Geddes on**, 3, 107
- Heredity and**, 3, 97-114, 241 ff.
- Interest**, laboratory tests of, 28, 390; stimuli to arouse, 28, 393
- Knowledge**, importance of, 3, 209, 259
- Life**, of Australians and Oceanians, 20, 152
- Love**, adolescence and, 13, 327-54
child and, 13, 327-54
expressed in games, 13, 339-42
five stages in, 13, 330-54
literature of, 13, 325-54
preliminary study, 13, 325-54
study of needed, 13, 326 f.
- Physiology**, nocturnal emissions, 15, 104-7

Sex (*continued*)

- Psychology of, 6, 646 ff.; 10, 321 f.; 16, 557; 21, 508; 22, 322
 Ratio, regulation of, 3, 243 ff.
 Religion and, 8, 578
 Sensations, pathological, 3, 251 f.
 Society and, 18, 266
 Sublimation of, 22, 603
 Voluntary production of, 3, 246 f.
 Worship, *see* Phallicism
See also Child: Sex; Sexual
- Sexual:**
 Causes of neurasthenia, 10, 159, 316
 Crime, 11, 276
 Cycle, effect on dreams, 1, 388-401;
 in men, 15, 104-7
 Debility, 12, 392
 Education, nakedness and, 20, 297-317
 Impulse, 11, 276
 Instinct, 10, 160, 320; hypertrophy of, 11, 211; inversion of, 3, 251; masturbation as, 11, 201 f.; morbid manifestations of, 10, 320; pathology of, 11, 211 f.; precocity and, 16, 173 f.
 Life, Australians and Oceanians, 20, 152; child's, 20, 152; 24, 285; decadence of, 7, 210; education of children in, 21, 507; modern civilization and, 21, 507; saints', 13, 172; senescence and, 8, 120 f.; woman's, 13, 172; 21, 508
 Need, 20, 465
 Organs, seasonal variations in, 14, 6 ff.
 Perversion, *see* Abnormal
 Predisposition, child's, 29, 379
 Problem, modern, 21, 508
 Selection, 7, 162 f.; clothes and, 27, 219, 224 ff.; in spiders, 17, 347
 Sexuality, infantile, 23, 137 f., 310 ff., 317 f.; 24, 362
 Sexually produced organism without maternal qualities, 3, 264 ff.
 Shade, effects of, 14, 78
 Shades, rotating disks for demonstration of, 9, 346-50; *see also* Tints
 Shadow of the bush, 24, 593
 Shaftesbury, ethics, 12, 458-91; life, letters and philosophical regimen of, 12, 275 f.
 Shakerism, *see* Religion
 Shakers, 28, 611
 Shakespeare, England's Ulysses, 19, 148; psychoanalysis of 'Hamlet,' key to, 21, 72-113
 Shaman, 20, 116, 227, 229 ff., 238
 Shamanism in Siberia, 7, 131

- Shame, 7, 186 ff.; in men and women, 10, 153; clothes occasioned by, 27, 217 ff.; psychology of, 26, 229-35
 Shock, 6, 35
 Fear and, 25, 161 ff.; from, 8, 193-201; of, 25, 172-89
 Social psychology and, 25, 188 f.
 Short-hand, learning of, 14, 224; writing taught Indians by, 17, 70-3, 76 f.
 Short-sightedness, school conditions and, 3, 292
 Sight, *see* Vision
 Signs, local, theory of, 14, 155
 Similarity, association by, 2, 41, 49, 81, 578; method of oppositions and, 27, 161
 Simple reaction, *see* Reaction; Reaction-time
 Simplicity *vs.* complexity of color hues, 27, 273-82
 Sin, disease caused by, 20, 225 f., 237; fears of, 8, 228 f.; punishment and, primitive notions of, 27, 185 f.; sense of, in conversion, 7, 322-7
 Singing, ability, 14, 567; mucous membrane sensibility, 1, 205; muscular sensibility, 1, 205; psychology of, 20, 295
 Single-task method, *see* Distraction: Method
 Sioux, written language acquired by, 17, 77 f.
 Size, affective tone and, 22, 578 f.; comic impression and, 16, 70 ff.; Fechner's colors and, 13, 506-10; intensity *vs.*, in attention, 28, 293; memory image arousal and, 27, 88, 99 ff., 115 ff.; of children, precocity and dullness *vs.*, 9, 295-9, 312; of familiar objects, 9, 137-66; perception of, 2, 657 ff.; retinal image and, 7, 412 ff.; visual estimation of, 6, 465 f.; *see also* Judgment
 Size-weight illusion, 9, 167-78; active lifting enhances, 9, 173, 177; *see also* Illusion
 Skill, acquisition of, 22, 188 f.; piano playing and, 7, 576; psychology of, 20, 289; retention after lapse of practice, 28, 396
 Skin:
 After-sensations from, 5, 104 f.
 Irritation affects knee-jerk, 1, 49 f.
 Light-sensitivity of, in blind prostates, 3, 221
 Nerves of, 6, 292, 313
 Sensations, carbon dioxide effect, 2, 162; *see also* Cutaneous; Sensations; Sensitivity

Skin (*continued*)

- Temperature affected by amyl nitrate, 1, 536 f.
- Thermal conduction in, 22, 332 (footnote)

Skull:

- Brain and, 2, 147 f.
- Measurements, 2, 148
 - Ancon, Peru, 7, 134
 - insane, 1, 205
 - university students, 1, 739
- Sutures of, 9, 243
- Thief and murderer, 3, 236
- Wormian bone, anomalies of in Man, 3, 235
- See also* Craniology
- Slavery among Chilkat, 29, 69
- Sleep, 5, 250 f.; 6, 307 f.; 9, 464; 14, 117; 22, 135
 - Bibliography on, 12, 174-7
 - Bodily posture in, 12, 50 ff.
 - Caffein alkaloid affects, 23, 89 ff.
 - Circulation and, 26, 617 f.
 - Claparède on, 15, 447 f.
 - Disorders of, 2, 183
 - Dreaming during, 16, 1
 - Dreams, temporal occurrence, 26, 200 ff.
 - Effect on knee-jerk, 1, 53 f.
 - vascular reflexes, 9, 242
 - Evolutionary point of view, 12, 168-74
 - Fatigue and, 19, 394
 - Fear and, 25, 191 ff.
 - Histological theories of, 12, 164-8
 - Hypnotic, 14, 276
 - Hypnotism and, 1, 510, 515
 - Hysteria and, 1, 524
 - Inducing of, 6, 540 ff.
 - Judgment during, 16, 20 ff.
 - Measures of, 23, 90 f.
 - Metabolism and, 3, 136 f.
 - Motor activity during, 16, 5, 34
 - Mystery of, 8, 421
 - Natural, profound, 14, 276
 - Nature of, 1, 331 f.
 - Rhythm of, 12, 171
 - Sleeplessness and, 27, 288 f.
 - Statistics on, 2, 342
 - Theories of, 12, 145-77
 - chemical, auto-intoxication, 12, 157-64; combustion, 12, 157 ff.
 - neurone, 12, 165-8
 - physiological, cerebral anaemia, 12, 147-50, 152, 154-7
 - cerebral congestion, 12, 146 f.
 - exhaustion of vitalistic fluid, 12, 145 f.
 - hyperaemia of basal ganglion, 12, 154 f.

Sleep: Theories of (*continued*)

- other vasomotor types, 12, 150-7
- Weygandt on, 15, 447 f.
- Slug, *see* Animals
- Smell, 2, 481; 4, 304-7; 5, 25, 30, 94-9, 256; 14, 453; 20, 179-82; 23, 64
 - Absence of, 4, 407-11
 - Age at which associated with nose, 9, 357
 - Animals and, 1, 739
 - Anosmia due to obstruction of nasal passages, 10, 104 f.
 - Association and, 16, 537 ff.
 - Associative power, 18, 326 f.
 - Blind and, 23, 236
 - Blind deafmutes and, Laura Bridgman, 28, 236 f.; James Mitchell, 28, 237
 - Center, 2, 191
 - Class experiments in, 14, 453 f.
 - Colored, *see* Synaesthesia
 - Compensation error in, 10, 97
 - Cortical center for, 1, 329
 - Crab and, 1, 535 f.
 - Delicacy of, defined, 10, 85; *vs.* keenness, 10, 85
 - Exhaustion, classification method, 10, 90; variability of, 10, 105
 - Fatigue of, 1, 317
 - Kinaesthetic elements in, 21, 441 f.
 - Images, descriptive study of, 13, 544-7
 - Insects and, 1, 549
 - Keeness of, defined, 10, 85; units for, 10, 85 f.
 - Limen, 10, 85 f.
 - effect of practice on, 10, 122 ff.
 - individual differences, 10, 132-5
 - fluctuation of, 10, 90
 - variation, individual, 10, 117-22; with size of standard, 10, 124-32
 - Olfactometry, adhesion a source of error in, 10, 101 f.; defined, 10, 85
 - Olfactory cells, 1, 741; nerves, of Laura Bridgman, 4, 273 ff.
 - 'Olfactus' defined, 10, 85
 - Organs of, 5, 97; end-, differential sensitivity of, 10, 91 f.
 - Qualities, isolation method, 10, 88 f.
 - Rat and, rôle in maze experiments, 12, 213, 232 f.
 - Secretions affect, 10, 104 f.
 - Sensitiveness, 1, 357 f.
 - Sight and, 1, 358
 - Specific energies of, 1, 317; 10, 87
 - Stimuli for, electric, 1, 317; liquid, 1, 316 f.; liquid and solid, preparation of, 10, 112-16
 - Theories of, Greek, 4, 186
 - Wasps and, 10, 262-5

Smell (*continued*)

Weber's law and, 10, 82-142

See also Odor; Sensation**Snail**, *see* Animals**Snakes**, fear of (ophidiophobia), 25, 347-56; representing soul, 15, 135**Social:**

Activities of childhood, 9, 425-48;

clubs, spontaneous, 9, 427-31

Aspects, of invention, 26, 388-416; of jealousy, 17, 491 ff.

Evolution, socialization in, 27, 579

Idealism, 10, 595

Instincts, basis of, according to Spinoza, 18, 517; of children, questionnaire study of, 9, 431-42;

pyrotaetism and, 19, 193; *see also* Herd

Legislation, 30, 116

Life, of protozoan explained, 10, 507 ff.

Measurement, introduction to theory of, 16, 139

Position of women, 10, 307

Progress, heredity and, 15, 113 f.

Psychology, 19, 570; 20, 285; 23, 594; 27, 287; 28, 463; 30, 119

American leaders in, 30, 432
people, 21, 345

Bacon's suggestions on, 11, 59

culture of primitive and modern man, 21, 512

democracy, 28, 311

epidemics and, *see* Epidemics

ethnic psychology, 16, 138

family and nation, 21, 337

and society, 9, 249

folklore, 18, 376

French people, 9, 598 f.

illusion mechanism, 20, 595

man's relation to his habitat, 9, 243

national honor, 30, 117

passage of different civilizations, 9, 243

people at play, 20, 591

psychological forces in war, 30, 211-23

sects, 9, 596 ff.

shock and, 25, 188 f.

tree worship, 9, 467-80

unemployment, 27, 153

war and, 30, 219

Rulers and leaders, abnormal, 21, 509

Science, psychology and, 28, 216

Status, children's growth affected by, 9, 272-82; mental tests and, 27, 283

Taboo, in education, 27, 154

Social (*continued*)

Tendencies, vitalism and, 30, 413

Theory of religious education, 29, 126

Socialism, Christianity and, 6, 140; criminality and, 3, 391; Nietzsche's opposition to, 6, 140 f.; progress and, 6, 140 f.**Socialistic philosophy**, 16, 137**Socialization** in social evolution, 27, 579**Socialized conscience**, 25, 312**Society**, sex and, 18, 266**Sociological problems** relative to imagination, 26, 547 ff.**Sociology**, 14, 118, 259; 19, 143, 285; 23, 153; 27, 290 f.

Biology and, 1, 205; appeal of, 19, 143

Criminal, 3, 118 f.; 7, 442

Experimental, 13, 171

Negro, 23, 340

races, 26, 308 ff.

Practical eugenic suggestion, 19, 143

Prosperity, theory of, 13, 172

Right to one's self, 19, 433

Social psychology and, 19, 570

Spiritualism, physical phenomena of, 19, 428

Suicide, 19, 572

Socio-psychological interpretation of history, 30, 348-52**Socrates**, life and teachings of, 12, 388**Soldier**, psychology of, essay on military psychology, 13, 171; from home to the 'charge,' 28, 315; 'Gaspard,' 29, 452; 'Le Tube 1233,' 29, 453; 'Ma pièce,' 29, 453; the professional, 6, 650**Soliloquy** among lunatics, 1, 274 f.**Solomon Islands**, art of, 1, 730**Somatic consciousness** in children, 9, 362 ff.**Somnambulism**, 6, 33 f.; 13, 323; crime and, 2, 339; from India to the planet Mars, 12, 265-8; *see also* Hypnosis**Soul:**

Animal, 9, 133; 15, 150-2

Auditory imagery as psychological basis of, 27, 179

Belief in, by American Indians, 15, 125 f.

Belief in, childish, age of, 15, 365 f.; age of relinquishing, 15, 361 f.

history of, 15, 121-200, 347-82

Composition of, 15, 140

Death and, 26, 575-9

Development and function of, 25, 314

Soul (*continued*)

Dreams as related to, 15, 130 ff.
 Evolution of, 10, 602; 16, 136
 Form of, 15, 142 f.
 Ghosts related to, 15, 143 ff.
 Hygiene of, 21, 511
 Idea of, 9, 375 ff.
 adult, 15, 366-72
 child, 8, 103
 earliest, 15, 359 f.
 origin of, 15, 168 ff.
 philosophers', Abbott, 15, 182;
 Anaxagoras, 15, 157 f.; Aristotle,
 15, 160 f., 186, 379; 23, 481;
 Arnobius, 15, 170 f.; Auberlen,
 15, 181; Augustine, 15, 173 ff.,
 379; Bacon, 11, 56 f.; Berkeley,
 15, 191 f.; Berthold, 15, 179;
 Bosanquet, 15, 355; Bourman,
 15, 184; Bowne, 15, 199; Bruno,
 15, 187; Campannella, 15, 187;
 Carus, 15, 199; Cassiodorus,
 15, 175 f.; Dabney, 15, 199;
 Delitzsch, 15, 181; Democritus,
 15, 158 f., 378; Denton, 15, 184;
 Descartes, 15, 187 f., 349 f.;
 Dessoir, 15, 355; Dresser, 15,
 182; Drossbach, 15, 198; Mary
 Baker Eddy, 15, 183 f.; Ellicott,
 15, 181 f.; Empedocles, 15,
 156 f.; Erigena, 15, 176; Evans,
 15, 184; Fechner, 15, 197 f., 381;
 Fichte, 15, 193 f., 380; Fleming,
 15, 181; Gassendi, 15, 188 f.;
 Gregory of Nyssa, 15, 172 f.,
 379; Hamilton, 15, 196 f.;
 Hegel, 15, 194 ff.; Heraclitus, 1,
 660 f.; 15, 155 f.; Herbart, 15,
 353 f., 358; Höffding, 15, 355;
 Hopkins, 15, 356; Hume, 15,
 351 f.; Jaeger, 15, 357 f.; Kant,
 15, 193 f., 352 f., 380; 23, 380 f.;
 Külpe, 15, 355; Lactantius, 15,
 170 f.; Leibnitz, 15, 189 f., 379 f.;
 Lessing, 15, 192 f.; Lewes, 15,
 354; Locke, 15, 190 f., 351;
 Luther, 15, 179 f.; Magnus, 15,
 177; Maher, 15, 356; Male-
 branche, 15, 350 f.; Mamertus,
 15, 175; Nemesius, 15, 175;
 Paulsen, 15, 199; Phelps, 15,
 184; Plato, 15, 161 f., 378 f.;
 Plotinus, 15, 171 f.; Porter, 15,
 354 f.; Pythagoras, 15, 157, 378;
 St. Teresa, 15, 180; St. Thomas,
 15, 177 ff., 379; Schelling, 15,
 181; Schopenhauer, 15, 197,
 380; Schultze, 15, 355; Socrates,
 15, 159 f.; Spencer, 15, 176, 198;
 Stratton, 15, 356; Sully, 15, 355;

Soul: Idea of (*continued*)

Swedenborg, 15, 180 f.; Ter-
 tullian, 15, 169 f.; Trine, 15,
 182 f.; Voltaire, 15, 190; Wundt,
 15, 354, 358; Zshoke, 15, 181
 primitive, 7, 130; 15, 122-7, 359;
 27, 179 ff.
 racial, Greek, 15, 153-64; Hebrew,
 15, 167 f.; Iroquois, 7, 130
 religious, Christian, 15, 165-85;
 Christian Science, 15, 183 f.
 schools, Epicurean, 15, 163, 379;
 Greek, 15, 153-64; Hebrew, 15,
 167 f.; Scholastic, 15, 176;
 Stoics, 15, 162 f.
 theological, 15, 162-85
 In search of a, 9, 249
 Life and, in Middle Ages, 14, 1
 Localization of, 3, 110; 15, 148 ff.,
 378-82
 in corpora quadrigemini, 15, 379;
 corpus calosum, 15, 379; blood,
 15, 148 f.; body, throughout,
 15, 380; bones, 15, 149; brain,
 15, 148 ff.; brain ventricles, 15,
 379; breath, 15, 149 f.; head, 15,
 378; heart, 15, 378 f.; lungs, 15,
 379 f.; 'noeud vital', 3, 110;
 pineal gland, 15, 379; pons, 15,
 379; septum, 15, 379; spinal
 cord, 15, 379, 381
 question foolish, 15, 380
 questionary on, 15, 362 f.
 Material of, 3, 110; 15, 360 f.
 Materialistic views of, 15, 373 ff.
 Mind as, 29, 437
 Mind's origin and, 29, 437
 Nature of, problem of pedagogical
 importance, 9, 374
 Object, 15, 141 f.
 Origin, 19, 168; adolescent beliefs,
 15, 364 f.; childish beliefs, 15, 363 f.
 Parts of, Nemesius on, 2, 63
 Personality and, 9, 412 f.
 Philosophical systems and, 15, 185-
 200
 Plants', 9, 133; 15, 152; 19, 184-186;
 and animals', 9, 133
 Plurality of, 15, 145-8
 Psychological meaning, 15, 347 f.
 theories, 15, 347-82
 Questionary study, 15, 359-73
 Relation to body, 15, 140
 Represented by animals, 15, 132-7;
 birds, 15, 133 f.; butterfly, 15,
 134 f.; fish, 15, 136; clouds, 15,
 140 f.; cow, 15, 136; lizard, 15, 136;
 mirror-reflection, 15, 138; mouse,
 15, 135; portraits, 15, 139 f.;

- Soul:** Represented by (*continued*)
 serpents, 15, 135; shadow, 15, 137; spider, 15, 136
 Rhythmical activities of, 10, 20
 Self, as synonym, 15, 375-8
 Shape of, children's idea of, 9, 372-9
 Subconscious and, 22, 171
 Swedenborg on, 3, 112; 15, 180 f.
 Systematic place of, 15, 185-200
 Words for, 15, 127 ff.
- Sound:**
 Affective values of, 23, 579 ff.
 Alternating, 2, 508
 Articulate, affective sensitiveness to, 20, 289 ff.
 Discrimination, by cats, 23, 461 ff.; by dogs, 30, 291-4; by raccoon, 22, 116 ff.; of intensity, 18, 331 ff.
 Distraction, effect on memory, 28, 191
 Intensity of sensations, 1, 195
 Limen, 4, 580
 Localization, 1, 199, 314 f.; apparatus for, 23, 509 f.; under determined expectation, 26, 268-85; *see also* Localization
 Perception of movement, 19, 247
 Thoughts aroused by, 5, 117-9
- Sound-blindness, see** Timbre-deafness
- Sound-waves, graphic record of, 1, 315**
- Sour, words for, primitive, 14, 415**
- South Kensington Museum of anthropometry, 1, 738**
- South Sea Bubble, 18, 43 f.**
- Space:**
 Auditory, 3, 182 f.
 Concept, philosophical, 19, 149, 152
 Crude sensation transformed into perception of, 19, 362
 Depth, *see* Depth-perception
 Distance of judgment, 18, 388
 Eye movements and, 5, 99
 Filled and unfilled, 6, 332 ff., 413 ff., 509 ff., 514 ff.
 Ideality of, 14, 314
 Kant on, 23, 372 ff.
 Mental representation of, 1, 201
 N-dimensional, 5, 100
 Perception, 14, 306
 blindfolded, 15, 383-90
 disparate senses, 3, 49-54
 kinaesthetic, apparatus for, 20, 370-85
 monocular, 6, 593 ff.; 7, 412-24
 suggestion and, 20, 447
 tactual, 1, 319 f.; 20, 447; in insane, 1, 359 f.
 visual by association, 14, 314
see also Perception
- Space (continued)**
 Psychological, modern theories, 14, 197
 Spatial aspect of emotion, 19, 220
 Spatiality factor in sensory judgment, 19, 318
 Tactual, 22, 135
 Time and, 5, 99-104; 13, 170
 Visual ideas of, 14, 161
 Wundt's theory, 14, 168
- Space-error, in lifted-weights experiment, 2, 651**
- Space-form, 13, 273**
- Sparrow, see** Animals
- Spawning habits in fish, 13, 410-8**
- Species, 14, 585; classification by psychological characters, 12, 264 f.; Darwin and the origin of, anniversary addresses, 21, 336**
- Specific energy, 5, 279; 20, 404, 416; of cutaneous sensation, 5, 279; 19, 311; of nerve cells, 9, 244; of smell, 1, 317; 10, 87; of taste, 1, 317 f.; pain and, 13, 580; tickle and, 19, 325**
- Specious present, time-perception and, 15, 1-13**
- Spectral lights, in color-blindness, 22, 388 ff.; see also** Color-blindness
- Spectroscope, see** Apparatus; in color-blindness, 22, 388 ff.; *see also* Color-blindness
- Speech:**
 Defective, 25, 201 ff.; training, 27, 72 ff.
 Disorders of, 15, 594 f.
 Disturbances, 6, 475
 Figures of, psychology of, 30, 103-15
 Glossolalia (gift of tongues), 23, 135 ff.
 Glossosynthesis, 23, 138 f.
 Inner, *see* Inner-speech
 Lip movements in, 5, 100
 Origin of, 22, 470 f.
 Physiology of, 22, 471
 Psychology of, 5, 116
 Vowels, 5, 110
See also Reading; Stammering; Stuttering
- Speed:**
 Accuracy of motor adjustments, 29, 127
 Accuracy *vs.*, curve of work, 27, 554; in discrimination, 18, 336 f.; in typewriting, 27, 55, 70
 Of increasing pressure stimulus, variations in, 1, 86-90
 movement, fatigue and, 3, 134 f.
- Spellers, verbal ability of poor, 29, 331; verbal memory in, 28, 157; 29, 331; visual perception in, 28, 157**

- Spelling ability, some measurements in, 29, 353; disability, psychology of, 29, 353; efficiency in, 23, 157; learning of, 10, 306; phonetic, 25, 458
- Spencer, Herbert, autobiography, 16, 136; Kant and, 22, 319
- Sphygmograph, *see* Apparatus
- Spider, representing soul, 15, 136; *see also* Animals
- Spinal:
 - Coördination, 15, 554-61
 - Cord, accessory nerve, 1, 328; alcoholic paralysis of, 2, 516; anatomy of, 2, 306 *f.*; cell bundles in, 2, 148 *f.*; cells in mammals, 4, 302; Clarke's column, cells of, 1, 492; histology of, 3, 546 *ff.*; localization in, 1, 188 *f.*; motor ganglia of, 2, 472; nerve-fibers of, 6, 639; posterior columns, 2, 633; reflexes, 15, 554-61; relation to brain, 2, 632; secondary degeneration in, 3, 555; Triton's, 3, 92 *f.*; *see also* Reflex Action
 - Dog, 3, 88; reflex coördination in, 15, 558
 - Duck, reflex coördination in, 15, 559
 - Nerves, course of, 2, 633 *f.*; effect of amputation on, 1, 491; motor nuclei, 2, 472; pigeon's variations, 3, 92; posterior roots of, 1, 490 *f.*; relation to vertebrae, 2, 630 *f.*
 - Roots, posterior, sensory, 15, 527
- Spinoza as educator, 23, 152 *f.*; on God, man, and human welfare, 21, 506
- Spirit, 20, 111 *ff.*, 222, 224; evil, 20, 223, 225; life of, introduction to philosophy, 20, 463; religious revivals and, 13, 567 *f.*
- Spiritism, 8, 424; 22, 122 *f.*
 - Automatic writing, 8, 402 *f.*; 26, 161-95
 - Behind the scenes with mediums, 19, 428
 - Crystal gazing, 3, 136
 - Doctrine of, 20, 153
 - Insanity and, 22, 323 *f.*; as related to, 20, 153
 - Literature on, 1, 515 *f.*
 - Medium in the bud, 29, 144-58
 - Mediumship, as mental abnormality, 16, 143; tricks, 11, 456, 467
 - Phenomena of, 20, 153
 - Physical phenomena of spiritualism, 19, 428
 - Planchette and, 8, 402 *f.*
 - 'Spiritist' defined, 11, 515 *f.*
 - Studies in, 29, 144 (footnote)
- Spiritism (*continued*)
 - Survival of man, 21, 505
 - Telepathic hallucinations, 20, 153
 - Telepathy, 1, 499 *f.*; 2, 164; 5, 263; 7, 305; 13, 584; 18, 262; 24, 570
 - English experiments, 1, 128-46
 - guessing of numbers, 14, 647-65
 - sources of error in investigating, 1, 128-46
 - theory of probabilities in investigation, 1, 143 *f.*
 - thought-transference experiments, 7, 305
 - See also* Occult; Psychological: Research; Spiritualism
- Spiritualism:
 - History of, 14, 116
 - Origin of spiritism in Shakerism, 20, 255
 - Physical phenomena of, 19, 428
 - Survival of man, 21, 505
 - See also* Occult; Psychological: Research; Religion; Spiritism
- Spiritual life, *see* Psychic life
- Spring-dynamometer, *see* Apparatus
- Sport, function of, 6, 30; theory of, 14, 376
- Spurt, *see* End-spurt; Initial-spurt
- Squirrel, *see* Animals
- Stammering, nature of, 15, 595; treatment of, 15, 595; *see also* Speech; Stuttering
- Standard, adjustable, *see* Apparatus
- Standard, concept of, 22, 126; mental, for judging linear extent, 10, 292-5
- Standing, consciousness of, 12, 41 *ff.*
 - Mental effects of, 12, 45 *f.*; test of, 14, 619
 - Walking and, consciousness of, 12, 41 *ff.*; physical effects of, 12, 44 *f.*
- Stands, *see* Apparatus
- Starfish, *see* Animals
- Star-magnitudes, Weber's law and, 1, 112-27
- Stared-at feeling, 24, 570; *see also* Spiritism: Telepathy
- Static sensations, 1, 180; sense, 4, 148-55
- Statistical method in psychophysics, 19, 436; observations, physical measurements *vs.*, 22, 299
- Stentor, *see* Animals
- Stereognosis, 27, 75, 78
- Stereoscope, *see* Apparatus
- Stereoscopic vision, *see* Vision: Binocular
- Sterno-mastoid, 5, 272 *f.*
- Sthenic index in education, 23, 594
- Stigmata, case of French nun with, 1, 739; produced by hypnotic sugges-

- Stigmata** (*continued*)
 tion, 4, 468; of degeneracy, 2, 147 f., 346
- Stimulation**, nervous system's development and, 28, 38; of alimentary canal, 26, 1-57
- Stimulus:**
 Change, influence of, 14, 597
 Electrical, 19, 294, 306
 Isolated conduction of, 14, 609
 Limen for smell, methods of determining, 10, 97-100; strong stimuli, effect of, 10, 106; *see also* **Limen**; **Smell**
 Negative after-image and, arrangement, 19, 79, 101 ff., 106, 126; form, 19, 79, 97-101, 105, 125, time of, 19, 80, 108, 110
 Odorous, preparation of, 10, 112-6
 Pressure-sensation, 19, 293
 Sensation and, 12, 135-9; Morgan's doctrine criticised, 11, 530-3
 Serial, 19, 296, 306
 Strength of nerve impulse and, 10, 151
 Strong, effect of gradual changes in pressure *vs.*, 1, 92 ff.
 effect of, on knee-jerk, 1, 15 ff.; on smell limen, 10, 106
 Summation, reflexes, 15, 540-4
 Tickle, 19, 333 f.
 Weak, judgment of, 25, 450 f.
- Stimulus-error**, 22, 351; 23, 488 f.
- Stomach** sensitivity, procedure for studying, 26, 486 ff.; thermal, 26, 485-94
- Storm-and-stress** period, *see* **Adolescence**
- Story**, continued, *see* **Imagination**
- Strain**, muscular, psychological starting point of philosophy, 5, 466 f.
- Sensation, 20, 272, 274, 443, 479 f., 532 f.; 27, 2-42
 feeling-dimension, 17, 362, 369 f., 373, 377, 379, 383 f., 386, 388 f., 391, 555 ff.
 rhythm and, 24, 336
 time-intervals, comparison and, 18, 177-82; estimation and, 13, 92-6
see also **Feeling**; **Kinaesthesia**;
Time-judgment
- 'Streaming' phenomena, 19, 78 ff., 114-29, 484-503; circulation and, 19, 493-500; patterns of, 19, 486-93; *see also* **Eye-movement**
- Strength**, age and, 10, 393-8; complexity and, 10, 393-8; intelligence and, 10, 393-8; order of birth and, 10, 393-8; pain measurements of
- Strength** (*continued*)
 school children *vs.*, 10, 392-8; sex and, 10, 393-8
- Stroboscope**, *see* **Apparatus**
- Structural** psychology, Italian, de Sarlo, 15, 518-25; or functional, 10, 334-6
- Structuralist**, functionalist and, 25, 285
- Structure:**
 Biological, function and, 27, 245-50; psychological *vs.*, 10, 331 f.
 Defined, 27, 245 ff.
 Psychology of, 10, 331 f.; of function and, 10, 331 f.
- Structure-function** dichotomy in psychology, 9, 420; 12, 103
- Strychnine**, effect on mental and motor efficiency, 25, 82-120; *see also* **Drugs**
- Study**, economical, 28, 161; training pupils to, 29, 353
- Stumpf's** affective psychology, Brentano on, 28, 267; Külpe on, 28, 268; Titchener on, 28, 263-77; Ziehen on, 28, 270
- Stupor**, 5, 79; cerebral circulation and, 8, 128
- Stuttering**, bibliography of, 25, 249-55; education of, 27, 72 ff.; experimental study of, 25, 201-55; lisp and, 24, 281; psychoanalysis and, 25, 242 ff.; theories of, 27, 82 f.; vocalization and, 25, 217 f.; *see also* **Speech**; **Stammering**
- Subconscious**, 10, 156, 318; 20, 389, 484; 23, 464; factors in arithmetic operations, 17, 11 ff., 17 ff., 25, 32, 35; perception, 27, 289; soul and, 22, 171; status of, 14, 343; subvoluntary relation to, 14, 348
- Subconsciousness**, 22, 161 ff.; 22, 319, 603; 25, 144
 Attention and, 22, 171 f.
 As inattention, 22, 162
 Epistemology relation to, 22, 169
 Habitual actions in, 22, 163
 Metaphysics relation to, 22, 169
 Physiological explanation of, 22, 163 ff.
 Psychopathologists' use of, 22, 166 ff. criticised, 22, 168 ff.
- Subject**, object and, 17, 155; relation to time, 15, 2 ff., 11 f.
- Subjective**, differentiae of strong and weak odors, 10, 92; equality, practice and, 27, 261 f., 267
- Sublimation**, 21, 217; emotion and, 25, 183; *see also* **Psychoanalysis**
- Subliminal** consciousness, 5, 425 f.; judgments, cutaneous, of form, 10, 147; *see also* **Limen**; **Liminal**

- Subnormal mind, 29, 282; *see also* Abnormal
- Substitution, aesthetic pleasure and, 30, 115; dream, 30, 104 f.; forms of, 30, 106 f.; in drowsiness, 22, 106 f.; in figures of speech, 30, 103-15; sex differences and, 24, 414; test, academic performance and, 30, 307-10
- Subtraction, psychology of, 17, 22-30; *see also* Mathematics
- Successive contrast, 5, 405, 411; 19, 506 f.; *see also* Contrast
- Sugar, muscular work and, 6, 449 f.
- Suggestibility, 8, 420; 9, 465; individual differences in, 10, 482; of children, 19, 504 f.; test of, 29, 329
- Suggestion, 1, 499 f.; 14, 116 f.; 22, 460 ff.
 Affective value of colors and, 24, 267
 Anorexia cured by, 4, 467 f.
 Apparatus for study of, 26, 103
 Auto-, 10, 155, 605; 22, 473 f.; in hypnosis, 1, 520; voluntary, 21, 345
 Bernheim on, 1, 505-9
 Child of one year and, 4, 468 f.
 Children and, 4, 466 f.
 Common to all faith cures, 10, 481
 Conjuring and, 11, 488-502
 Consciousness under, 26, 110-27
 Criminal, 3, 224
 Current survivals of old superstitions, 20, 256
 Definitions of, 26, 99 f.
 Disease caused by, 10, 482 f.
 Education and, 2, 323
 Explained, 10, 480 f.
 Healing and, 20, 260-3
 Hypnotism and, 4, 466-70
 Imagination influenced by, 26, 540-9
 Law of, in disease, 10, 482-8
 Medicine and, 1, 511
 Mental, 16, 142
 Method for study of, 26, 101 f.
 Negative hallucinations and, 2, 323, 663, 668
 Nervous and mental diseases and, 29, 127
 Pedagogy and, 1, 521
 Perception falsified by, 11, 494-7
 Reflex and, 7, 438
 Reproduction of point-distance and, 19, 504-18; of triangles and, 19, 504-18
 Savage and, 20, 115
 Sensory, experimental study, 26, 99-129
 Suggestive questions, effect of, 20, 155
 Unconscious, 4, 594 f.; influence of stimuli, 19, 145
- Suggestion (*continued*)
 Verbal, 20, 447 f.; tactual space-perception and, 20, 447
 Visual and auditory, 19, 574
See also Guessing; Hypnosis; Hypnotism; Psychotherapy
- Suicide, 10, 596; 19, 572; 23, 310; 25, 144
 Among primitive peoples, 6, 641
 Crime and, 3, 389 f.; 5, 553; 12, 142
 Drowning, explained, 10, 186; significance, 10, 185
 Juvenile, 26, 616
 Methods among men and women, 10, 185
 Statistics of, 1, 351 f.
- Summaries and indexes, plea for, 14, 84; plea endorsed, 14, 253
- Summation of stimuli, effect on pain, 2, 503 f.
 Phenomena, 5, 105
 Reflexes, 15, 540-4
 Theory, Goldscheider, 15, 542 ff.; Gruenhagen, 15, 541 f.; Pflüger, 15, 541 f.; Setschenow, 15, 540 f.; Stirling, 15, 542 f.
- Sun, clouded, effect on adult, 14, 73; on child, 14, 74
 Omens of, 14, 44
 Rays of child's fancy of, 14, 38
 Stimulus, 14, 35
 Theories of, 14, 24
- Sunlight, affective tone of, 14, 77 f.
- Sunrise, child's idea of, 14, 26
- Superior men, 28, 609
- Supernatural, naturalization of, 20, 294
- Supernormal mind, 29, 289; *see also* Genius
- Superstition:
 Adolescence and, 30, 88 f.
 Charms and amulets, 20, 231 ff.
 College students and, 30, 83-102; age differences, 30, 86; explanations of, 30, 98-101; sex differences, 30, 87 f., 94
 Gamblers and, 13, 389-404
 Regarding moon, 14, 44
 trees, 9, 467-503
 Vampire in New England, 8, 132
- Suppression:
 Association-reaction and, 24, 567; test and, 24, 420
 Attitudinal form, 23, 192 ff.
 Ideational form of, 23, 192 ff.
 Sex differences and, 24, 414
 Under negative instruction, 23, 183 ff.
- Surface color, magnitude and, 7, 26-41

- Surgical operations, dead grafts, 30, 316-22; mental effect of, 2, 503; shock, 25, 183
- Surnames:
 Dickens' choice of, 27, 432 ff.
 psychological attitude toward, 29, 337-46
 Novelists' choices of, 27, 432 ff.
- Surprise, analysis of, 22, 225; feeling of, 5, 256; *see also* Time-judgment
- Survival, of man, 21, 505; value of mind, 9, 537-40
- Sweet, 14, 416; localization of, 5, 96; *see also* Taste
- Swindling, study in forensic psychology, 26, 619
- Syllabary, *see* Phonetic alphabet
- Syllables, nonsense, memorizing, 14, 499
- Syllabus, on anger, 10, 528 f.
- Symbolic thinking, 7, 445
- Symbolism:
 Dreams and, 21, 203, 249 f., 261 ff., 309-28
 Erotic, 22, 322
 Fetichism and, 7, 188 ff.
 Figures of speech and, 30, 103
 Folklore and, 15, 454
 Folktales and, 21, 168
 Freudian, of lapses, 30, 274-90
 Primitive, 3, 256; 28, 610; decoration and, 21, 379
See also Psychoanalysis
- Symbols:
 Auditory, perception of, 12, 87-102; influence of context upon, 12, 93-8; relation of elements in, 12, 99-102
 Spoken, apperception of, 12, 102-30
- Sympathetic nervous system, 1, 216; 20, 396, 406 f., 410 f., 424; ganglia, 2, 634 f.
- Sympathy, beginnings of, 19, 193
- Synaesthesia, 1, 203, 360 f., 740; 5, 20-41, 550 f.; 7, 90; 11, 403 f.; 12, 393; 20, 155
 Aesthetic, 21, 347
 Allied phenomena and, 7, 101-7
 Associative theory, 5, 36 f.; 7, 96 f.
 Bibliography on, 5, 38 f.
 Cases of, 11, 377-404
 Chromaesthesia, 5, 20-41; case of, 14, 632; variability of, 14, 632; ways produced, 5, 32
 Color-hearing, 5, 20, 24 ff., 31, 34, 36, 271, 416 ff., 443, 550; 6, 305; associative imagery and, 11, 378; heredity in, 11, 378, 392; relation to stimuli, 11, 380-9, 392-8; retinal light and, 11, 379, 392
 Color-smell, 1, 740; 11, 389, 398
- Synaesthesia (*continued*)
 Color-sounds, 5, 35
 Color-taste, 1, 740; 11, 389, 398; 22, 528-39
 Hereditary origin, 5, 36
 Historical review, 5, 21-32
 Mathematical prodigies and, 18, 74
 Miscellaneous phenomena of, 11, 390 f., 402 f.
 Prevalence of, 7, 91 ff.
 Questionary on, 7, 101-7; 14, 644 ff.
 Statistical study of, 20, 447
 Statistics of, 20, 447
 Synopsia, 5, 550
 Taste-hearing, 18, 341-52
 Temperature phonisms, 11, 402
 Theory, associative, 11, 378; physiological, 7, 97 f.
 Types of, 7, 94 f.
See also Forms: Imaginal; Personifications; Phonism; Photoism
- Synesthesia, 22, 474
- Synopsis, *see* Synaesthesia
- Synthesis as illusion, 11, 407 ff.; scientific procedure, 11, 406
 Creative, duration and, 27, 5
- Synthetic experiment, 11, 407 ff.; method, in biology, 21, 352 f.; principle, in study of fear, 25, 149
- Syphilomania, *see* Abnormal
- System, sensation and, 26, 258-67
- Systematic psychology, derivation of the term 'function' and, 26, 473-84; Münsterberg's, 15, 295-302

T

- Tabes, *see* Abnormal
- Taboo (Tabu), *see* Anthropology; Religion
- Tachistoscope, *see* Apparatus
- Tactual sensation, *see* Cutaneous; Touch
- Tadpole, *see* Animals: Frog
- Talbot-Plateau law, 5, 400
- Talmud, 3, 246
- Tapping, 5, 148 ff., 158, 161
 Apparatus, *see* Apparatus
 Change in rate through disuse and practice, 26, 59-63
 Fatigue phenomena in, 20, 38-45, 353-63, 449-55
 Manic-depressives and, 20, 39-51
 Maximum rate of, 5, 150
 Practice in, 20, 449-55
 Rate of, 5, 145 ff.: digital differences, 5, 146; sex differences, 5, 151-6, 160; 20, 353-63
- Tapping-test, *see* Test
- Tarantism, *see* Abnormal: Manias, dancing; Tarantism

- Target-throwing**, in feeble-minded, 15, 413-26
- Taste**, 4, 303 f.; 5, 25, 30, 96 f.; 14, 268, 458; 18, 387; 23, 64; 29, 124
Acids' effect on, 2, 161 f.
Aesthetic, *see* Aesthetics
American Indians and, 6, 282
Associations, 27, 166 ff.
Bulbs, 5, 95, 98
Chorda tympani and, 5, 97
Class experiments in, 14, 189 f.
Colored, *see* Synaesthesia
Images, 13, 544-7
Limens of hydrochloric, sulphuric and acetic acids, 30, 311 ff.
Location of, 2, 160 f.
Nerve, course of, 3, 93 f.
Organs, 5, 95, 98; development in man, 3, 195 ff.; distribution in human foetus, 19, 574; in mammals, 2, 476 f.; regeneration of, 1, 705 f.; specific energy of, 1, 317 f.; structure, 2, 151 ff.
Relative sensibility for qualities of, 1, 550 f.
Sapidity of hydrochloric, sulphuric and acetic acids, 30, 311 ff.
Smell and, 5, 94-9
'Sour,' primitive words for, 14, 415
Specific energy of, 1, 317 f.
Words, of American Indian, 14, 411-17
- Taste-dream**, *see* Dream
- Tatooning**, 1, 730; 6, 68; 7, 181-4
- Teacher**, psychology and, 21, 178; psychology for, 7, 301; 20, 467; *see also* Education; Pedagogy
- Teaching**, inductive *vs.* deductive methods of, 25, 454 ff.
of philosophy, 9, 600-6
principles and methods of, 28, 310
research *vs.*, 23, 230, 234 f.
see also Pedagogy
- Tedium**, pain of, 6, 29 f.; *see also* Ennui
- Teeth**, fears of, 8, 212 f.
- Telegraph reaction key**, *see* Apparatus
- Teleology**, behavior study and, 21, 366 f.; evolution and inheritance, physiology of, 19, 435; forces in origin of life, 19, 174 f.; Münsterberg on, 15, 296 f., 301; science and, 21, 366 f.; temperament and, 19, 519
- Telepathy**, *see* Spiritism
- Temperament**, 1, 356; 23, 479 f.; animals and, 18, 460-2; character and, 7, 296; 27, 153; chess-playing and, 18, 274; nostalgia and, 10, 77; test of, 30, 302 ff.
- Temperaments**:
Classes of, 13, 322 f.; active, 19, 521 ff.; amorphous, 19, 529; apathetic, 19, 528; balanced, 19, 533; composite, 19, 531-5; sensitive, 19, 523-8; contemplative, 19, 526; emotional, 19, 526, 528
Of children, 13, 322
Illustrated in literature, 19, 519-35
See also Character
- Temperance**, idea in primitive man, 11, 325
- Temperature**:
Bodily, metabolism and, 10, 10, 16; nervous influence on, 1, 321 f.
Brain, *see* Brain
Change in, influence, 14, 597
Cockroaches and, 2, 163
Fish habits and, 13, 410-25
Optimum for animals, *see* Animals
Responses to, 19, 193
Scale of, 20, 1, 2, 5 f.
Sensation, 4, 144 ff.; pain and, 6, 649; reaction time for, 1, 322, 549 f.
Sense, 5, 248, 279, 281; in fishes, 13, 414 ff.
Sensible, Abbe cited on, 20, 1, 10 ff.; bibliography (annotated), 20, 8-14; classification of, 20, 1 ff.
Skin, amyl nitrate effect on, 1, 536 f.
See also Cutaneous: Sensation; Heat; Sensation; Sensitivity; Skin
- Temperature-response**, mechanism in fish, 13, 414 ff.
- Temporal attributes**, importance of studying, 21, 411; course of images, 21, 449; limens, rhythm and, 22, 601; perception, 16, 547; *see also* Time
- Tendency**, determining, *see* Association
- Tendon**, reflexes, 15, 551-4; knee-jerk, 15, 552 ff.; sensory end organs in, 12, 350 ff.
- Tension**, 20, 270, 273, 387, 389, 533; judgments, *see* Feeling
- Terminal dementia**, *see* Abnormal
- Terminology**, color, 23, 236-44; for sensation, 22, 444
- Terms**, 4, 583 f.; general, note on, 3, 144-7
- Testes**, period changes in rabbit's, 14, 5
- Testimony**:
'Aussage' experiments, 15, 448
Errors in, 21, 272 f.
False, in children, 4, 466 f.; legal penalty for, in France, 4, 467
In early childhood, 20, 465
Legal, psychology applied to, 21, 274 f.
Psychology of, 20, 186; 21, 270-5; in teaching, 21, 273 f.

Tests:

- Ability, in geometry, 29, 235
 Achievement, 26, 471
 Acuity, 15, 26-49
 Adaptive intelligence in dogs, cats, and monkeys, 29, 211-16
 Aesthetic, 10, 358 f., 386 ff.
 Affective tone, serial method, 7, 57
 Analogy, academic performance and, 30, 307-310
 Anger, laboratory, 28, 390 f.
 Anthropometrical, of college students, 4, 420-8
 Arithmetic, Courtis tests, 27, 508 ff.
 Association, 24, 89; 29, 329; among insane, 24, 70, 89-95; sex differences in, 24, 415; substitute for quiz, 29, 128; suppression in, 24, 420
 Attention, 10, 356 f., 379-82; mental multiplication and, 19, 374-84
 Audition, 15, 14-56; 16, 302 ff., 318 f.; acuity of, 15, 26-41, 49-56
 Aviators, 29, 127
 Backward-alphabet, 27, 238
 Binet, suggested revision, 26, 615 f.; *see also* Tests: Intelligence
 Cancellation, 27, 293; academic performance and, 30, 307-10; in manic-depressives, 17, 50 f., 61 ff.; transfer effects in, 27, 293
 Card-sorting, 20, 282-4; as distraction, 24, 86; in memory experiments, 5, 356-69; on manic-depressive patients, 17, 51 f., 67
 Color, English sparrow, 15, 337 ff.
 Color-blindness, *see* Color-blindness
 Comic, 30, 304-7
 Community of ideas diagram, 2, 483
 Completion, as a test of the comic, 30, 304-7; of language, 27, 294
 Comprehension, 10, 357 f.
 Consonance, 16, 307 ff.
 Control, voluntary, 14, 618
 Cube, 27, 284 f.
 Cutaneous sensitivity of college students, 4, 420-8
 Defective child, 27, 283
 Diagram, 2, 483
 Direction, difficult, 29, 329
 Discrimination, 10, 357 f., 382-5
 Discussion of group, 29, 352
 Distraction, 24, 86; on insane, 24, 70, 86-9
 Dot-marking, 20, 515
 Embarrassment-effect, 28, 393
 Emotion, laboratory, 28, 390
 Emotional characteristics, 30, 300 ff.
 Eyes, adjustment-speed of muscles, 30, 40-61

Tests (*continued*)

- Fatigue, 19, 374 f.
 Feeble-mindedness, 15, 394-402
 Form, for monkeys, 13, 129
 Forward-alphabet, 27, 238
 Holmgren, 25, 297
 Imagination, 10, 354 ff., 371-9
 Individual differences, 7, 577; empirical study of, 23, 149 f.; *see also* Individual differences
 Ink-blot, for imagination, 9, 183-90
 Instincts, strength of, 27, 227-33
 Intelligence, 26, 469
 adult, 29, 128; 30, 310
 Binet's, 21, 280 f.; 27, 79, 82
 Binet-Simon scale, suggested revision, 26, 615 f.; Stanford revision, 29, 352; significance for mental hygiene, 26, 615 f.
 children's, 15, 201-92
 criticised, 15, 219-25
 Stanford adult, 29, 128; Downey on, 29, 128
 Terman's superior adult, applied to Vassar freshmen, 30, 310
 Yerke's point scale, 27, 82, 284; 28, 311
see also Tests: Mental
 Introspection in, 23, 87
 Knox cube, standardized, 27, 284 f.
 Lifted-weights, among insane, 24, 70, 80 ff.
 Mathematical ability, 29, 353
 Memory, 10, 350-3, 360-70; for ideas, 29, 329; for music, 14, 558; in blue-birds, 21, 41 ff.; in school children, 4, 362-80; span, *see* Memory; verbal, 29, 328
 Mental, 13, 586; 23, 76 f., 147, 480; 28, 160, 311, 461 f.
 academic performance and, 30, 307-10
 adult, theoretical considerations, 27, 71-86
 condition, 8, 563-71
 criticism of, 27, 227 f.
 development of, 27, 71-86
 history of, 15, 16 f., 20-6
 images, 10, 353 f., 370 f.
 individuality and, 15, 448
 influence of age and experience on, 29, 353
 limitations of, 27, 227 f.
 measurements and, 3, 383
 nature of, 15, 17 ff.
 pathology of, 15, 19
 physical and, 22, 132, 307 ff.
 reaction times as, 15, 489-95
 social status and, 27, 283
see also Tests: Intelligence

Tests (*continued*)

- Mood, 30, 302 ff.
 Moral judgment, 9, 202 ff.
 Motor ability, 12, 194-7
 Motor-speed, *see* Tapping
 Movement, 4, 427
 Musical capacity, 16, 302 ff.; expressiveness, 4, 558-76; 5, 42-73; rhythm, 16, 309 f.
 Number-cancellation, 26, 65 ff.; among insane, 24, 70, 83-6
 Ocular, for aviators, 30, 40, 42 ff., 59 f.; on children, 4, 595 f.
 Opposite, and academic performance, 30, 307-10
 Phalanges, 14, 515
 Physical conditions, 9, 563-71; and mental, 22, 132, 307 ff.
 Physiological, of organs and glands, 29, 352
 Piano, 14, 563
 Picture-completion, 29, 353
 Pitch discrimination, 14, 553-73; 16, 303 ff.; 20, 279 ff.
 Point scale, 27, 82, 284; 28, 311
 Precision, 5, 179, 184-7, 194; steadiness and, 14, 625 f.
 Psychological, of college students, 4, 420-8
 School-children, 6, 282 f.
 Sex interest, 28, 390
 Size, animals, 13, 133 f.
 Social characteristics, 30, 300 ff.
 Standardization of, 22, 320; 27, 283
 Standing, 14, 619
 Strychnine and, 25, 82-120
 Substitution, academic performance and, 30, 307-10
 Suggestibility, 29, 329
 Tapping, 14, 620; 20, 39, 353, 448; 24, 71
 fatigue measured by, 19, 345, 437
 feeble-minded and, 15, 420-8
 insane and, 24, 70-80
 manic-depressives and, 17, 49, 53
 normal performance, 19, 437-83
 piano playing facility and, 19, 350
 practice in, 19, 437-83
 voluntary motor ability measured by, 19, 347
 Temperament, 30, 302 ff.
 Terman superior adult, applied to Vassar freshmen, 30, 310
 Tone-acuity, 15, 42-9
 Verbal ability, further, 29, 331
 Vision, 4, 595 f.
 Visual sensitivity, college students', 4, 420-8
 Vital functions, 27, 441; 29, 352
 Witmer cylinder, 29, 353

Tetanus, 1, 711

Textbooks: (For specific books *see* AUTHORS' INDEX, pp. 36-60; for general works *see* specific topics.)

Biology:

- C. W. Hargitt, 12, 608
 J. Reinke, 13, 323
 L. del Rio y del Lara, 11, 592
 D. K. Shute, 11, 599

Ethics:

- , 11, 598
 N. K. Davis, 20, 463
 J. Dewey and J. H. Tufts, 20, 151
 J. S. Mackenzie, (2nd ed.), 8, 580; (6th ed.), 19, 432
 E. Wentscher, 24, 460

Logic:

- H. A. Aikins, 14, 118; 15, 308 f.
 J. J. Toohey, 29, 457

Metaphysics:

- J. S. Mackenzie, 13, 319 f., 455
 B. Petronievics, 24, 135 ff.

Neurology:

- L. F. Barker, 11, 430 ff.
 L. Edinger, 3, 557
 A. van Gehuchten, 17, 424 f.
 C. H. Herrick, 27, 152; and E. C. Crosby, 29, 235
 J. B. Johnston, 18, 154
 H. Obersteiner, 4, 456; 8, 577; 13, 454
 H. E. Santee, 19, 145

Philosophy:

- H. E. Cushman, 22, 125
 C. A. Dubray, 23, 589
 O. Külpe, 25, 146
 W. Jerusalem, 22, 322; 472; 588 f.
 R. Lehmann, 23, 343
 J. A. Leighton, 29, 350
 W. T. Marvin, 14, 115, 264
 A. S. Rappaport, 16, 136
 J. E. Russell, 24, 461

Philosophy and Psychology Dictionaries:

- Baldwin's, Vol. I, 12, 609; Vol. II, 13, 576; Vol. III, 17, 418-22
 Eisler's, 11, 597
 Sonnenschein's, 2, 510

Physiology:

- G. von Bunge, 12, 279, 393 f.
 G. V. N. Dearborn, 23, 594
 J. W. Ritchie, 20, 464
 E. S. Schafer, 12, 273 f.
 M. Verworn, 9, 133

Psychiatry:

- L. Bianchi, 17, 597-600
 H. Bösbauer, 21, 504 f.
 C. B. Burr, 10, 599; 19, 145
 A. Church and F. Peterson, 20, 290 f.

Textbooks: Psychiatry (*continued*)

- L. P. Clark and A. R. Diefendorf, 20, 153
 M. Craig, 16, 558
 J. R. de Fursac, 19, 571
 A. Gregor, 22, 135, 451 f.
 A. Hüchel, 6, 475
 K. Jaspers, 24, 597
 E. Kraepelin, 7, 442; 16, 251
 B. Leonardo, 12, 394
 W. E. Lloyd and A. E. Cheney, 20, 292
 E. Mendel, 18, 525
 H. Oppenheim, 22, 319
 F. S. Pearce, 15, 311
 A. Pilcz, 15, 452
 R. Sommer, 10, 599
 G. Störring, 12, 143
 W. Strohmayer, 21, 344
 M. Talmey, 22, 132
 E. Tanzi, 21, 344
 T. Ziehen, 7, 442

Psychology:

comparative:

- C. L. Morgan, 19, 279
 M. F. Washburn, 19, 279

educational:

- J. Adams, 24, 294
 A. W. Bevis, 10, 161
 É. Claparède, 20, 584 ff.
 C. I. Dodd, 10, 158
 K. Jordan, 29, 125
 D. Lemon and A. Sturrock, 10, 161
 J. A. MacVannel, 23, 477 f.
 C. L. Morgan, 7, 301
 D. Putnam, 12, 389
 E. L. Thorndike, 16, 139; 22, 128; 26, 312
 J. Welton, 28, 310
 G. M. Whipple, 20, 151

experimental:

- W. M. Barton, 29, 352 f.
 N. Braunshausen, 26, 471
 J. V. Breitwieser, 26, 159
 G. T. Fechner, 2, 669
 J. Fröbes, 27, 155
 C. Hartman, 26, 159
 Höfler and Witasek, 12, 140
 C. H. Judd, 18, 528; 19, 285
 O. Külpe, 6, 478-84
 H. S. Langford and F. H. Allport, 28, 159
 H. Münsterberg, 26, 158, 306
 C. S. Myers, 20, 462; 22, 472; 23, 144 f.
 E. C. Sanford, 9, 415
 C. E. Seashore, 21, 174
 R. Shulze, 24, 292

Textbooks: Psychology (*continued*)

- E. B. Titchener, 12, 388, 403, 596-600; 17, 290, 585-93
 E. Toulouse, N. Vaschide and H. Piéron, 16, 139
 E. Toulouse and H. Piéron, 22, 472
 G. M. Whipple, 22, 132, 307 ff.
 general:
 J. R. Angell, 16, 255; 16, 407; 17, 415-8
 E. von Aster, 27, 292
 J. M. Baldwin, 2, 669
 E. Baudin, 29, 352
 H. H. Bawden, 13, 324
 J. I. van Biervliet, 7, 446
 B. P. Bowne, 1, 146, 149-154
 B. B. Breese, 29, 234
 M. W. Calkins, 13, 161-8; 17, 140; 22, 127 f.; 26, 465 f.
 A. Cook, 16, 256
 J. A. Dell, 23, 585 f.
 J. Dewey, 1, 146, 154-9
 B. Duneville, 26, 469
 K. Dunlap, 23, 590
 A. Dyroff, 24, 301
 H. Ebbinghaus, 8, 587; 13, 169, 575; 19, 429; 23, 594
 Th. Elsenhaus, 24, 140, 464
 J. P. Gordy, 12, 609
 L. Habrich, 17, 423 f.
 R. P. Halleck, 7, 575
 W. S. Hunter, 30, 429
 W. James, 3, 551 f., 578-91
 W. Jerusalem, 13, 581
 F. Jodl, 8, 424
 C. H. Judd, 18, 382; 19, 416-20; 29, 126
 H. Kleinpeter, 26, 158
 O. Külpe, 7, 301
 G. A. Lindner, 3, 140
 O. Lipmann, 20, 467
 T. Lipps, 15, 462; 19, 144
 T. Loveday and J. A. Green, 24, 140
 J. McCosh, 1, 146-9
 W. McDougall, 20, 285
 M. Maher, 12, 265
 D. R. Major, 24, 461; 25, 596
 H. Münsterberg, 12, 273; 13, 576 f.; 25, 597; 26, 464 f.
 J. C. Murray, 16, 255
 P. Natorp, 15, 455
 R. M. Ogden, 26, 158; 26, 462 ff.
 A. Pfander, 16, 138
 D. E. Phillips, 25, 312
 W. B. Pillsbury, 22, 601
 H. de Raaf, 12, 609
 M. S. Read, 22, 601
 J. Royce, 14, 260

Textbooks: Psychology (continued)

- G. Spiller, 13, 581
 G. F. Stout, 12, 609
 E. L. Thorndike, 16, 402; 18, 373
 E. B. Titchener, 8, 310; 10, 150;
 11, 128; 20, 593; 22, 126, 132,
 313-16; 27, 290
 S. Witasek, 19, 564
 W. Wundt, 7, 446; 23, 590
 R. M. Yerkes, 22, 601
 T. Ziehen, 10, 156; 26, 470

physiological:

- K. Dunlap, 27, 437 ff.
 G. T. Ladd, 1, 159-64; and R. S.
 Woodworth, 23, 161 f.
 A. Lehmann, 23, 591
 W. Wundt, 6, 298; 13, 581; 16,
 246 f.
 T. Ziehen, 12, 269

Thalamus, optic, see Eye**Thanatophobia, see Fear: Death****Theism, 23, 590; philosophy of, 7, 446****Theology, 19, 359**

- Development of the concept of religion, 13, 321
 Hindu, Vedānta, system of, 24, 293
 New Testament, 12, 143
 Social consciousness and, 13, 580
 Unitarianism in America, 13, 582
 Value and decay of, 6, 61 f.
 Work of the Holy Spirit, 13, 455
See also Religion

Therapeutics, mental, see Hypnosis; Psychiatry; Psychotherapy; of circulation, 20, 591**Therapy, occupational, applied to restoration of movement, 30, 430****Thermometer, bath, empirical graduation of, 20, 5 f.****Thermotropism, in tadpoles, 10, 9 f.****Thievery, committed under suggestion, 4, 467; defective instinct, 11, 195 ff.; see also Crime; Criminal****Thing-in-itself, Kant's, 11, 518****Thinking, see Thought****Thought, 11, 597; 13, 587; 19, 144, 268; 20, 85 f., 101 f.; 23, 480**

- Ach on, 23, 502 f.
 Aster, von, on, 23, 170 ff.
 Being and, 8, 579
 Bühler on, 23, 169 ff.; method, 23, 505
 Contemporary, 22, 602
 Dürr's method, 23, 169 f.
 Element of consciousness, 20, 277
 Fantasy and, 27, 440
 Human need for histories of, 9, 241
 Imageless, 20, 275, 277; 22, 223 f., 574 ff.; 23, 194 f.; 25, 34; recognition and, 27, 360

Thought (continued)

- Imagery and, 22, 223 f.
 Infinite and, 27, 155
 Introspection in, 23, 500 ff.
 Memory and, 25, 32-81
 Messer on, 23, 504
 Perception and, 4, 187
 Personality in dreams and, 16, 549
 Philosophic, in child, 9, 379-86
 Polyglot, 27, 291
 Processes, 21, 348
 Psychology of thinking, 20, 466
 Reality and, 8, 422
 Religious, literature and, 27, 297 ff.
 Symbolic, 7, 445
 Theory of knowledge and, 9, 131
 Thinking animals, 25, 131 ff.
 Transitional eras in, 16, 135
 'Unconscious,' questionnaire and statistics on, 5, 249-59
 Views of, 22, 42 ff.
 Visualization and, in English philosophers, 4, 230-47
 Watt on, 23, 501 f.
Thought-transference investigated, 7, 305; see also Spiritism: Telepathy
Threshold, see Limen
Thrift, 30, 240
Thumb-sucking, 21, 209
Thunder, see Fears
Thyroid, function of, 2, 518
Tic, echolalia and coprolalia with, 1, 720; localization, 15, 594; mental characteristics of, 15, 593; motor process in, 15, 593; nature, 15, 594; treatment, 15, 594
Tickle, 18, 457 f.; 20, 391, 442, 446
 Areas of, 9, 9 f.; 19, 330 f.
 Differentiated, 19, 320-9
 Genesis of, 9, 12 ff.
 Itch and, 21, 180
 Laughter and, 9, 238 f.
 Physiology of, 19, 320
 Play and, 9, 235 ff.
 Pleasurable, 9, 235 f.
 Qualitative analysis of, 19, 289-344
 Questionary on, 9, 1 f.
 Sensitivity to minimal impressions, 9, 11
 Tentacular experience, 9, 235
See also Cutaneous: Sensation
Tickling, 9, 235-40; laughing, the comic and, 9, 1-41
Tied images, 25, 300; see also Images
Tiger, see Animals
Timbre, influences judgment of absolute pitch, 18, 194 f., 198 f.; deafness, 1, 355, 702-5
Time, 5, 46, 99-104
 Affective qualities and, 19, 220

Time (*continued*)

- Crude sensation transformed into clear perception of, 19, 362
 Dimensions, 27, 12 ff.
 Dragging and flying, 15, 4 f.
 Duration and succession, 15, 4
 Evolution and, 19, 154 ff.
 Experimental investigation of, 3, 503-29
 Improvement and distribution of, 27, 551 f.
 Judgment, *see* Time-judgment
 Kant on, 23, 372 ff.
 Learning and, 2, 593 ff.
 Measurement, 15, 1 f.
 Memory and, 11, 67-79
 Perception, 15, 1-13
 Perception, memory and, 15, 7 ff.; origins, 15, 9 ff.; rhythm and, 15, 5 ff.; specious present, 15, 1-13
 Philosophical concept, 19, 149-153
 Product of creative synthesis, 27, 5
 Psychology of, 3, 453-529; 4, 60-112
 Reaction, *see* Reaction-time
 Recording, 14, 596
 Rhythm and number, 13, 88-97
See also Rhythm
Time-error, 9, 593; lifted-weights experiment, 2, 651; memory image in, 11, 36
Time-intervals, 5, 247
 Average error method for, 13, 2 f.
 Comparison of, experimental, 18, 177-82
 Judgment of, doubtful, 27, 13 ff., 21 ff.
 equality, 27, 21 ff.
 motor accompaniment and, 13, 90 f.
 vaso-motor waves and, 13, 1-27
 under passive attitude, 27, 25 ff.
 Static or moving, 27, 43 ff.
See also Time-judgment
Time-judgment, 7, 450; artificial aids in, 27, 8 ff.; attention and, 27, 2; auditory stimuli, 27, 7 ff.; 'Aufgabe' and, 27, 18, 27, 33, 42 f.; bodily movements imagined and, 27, 4, 8, 11, 41; duration and, 27, 1-46; electrical stimuli, 27, 37 ff.; expectation and surprise and, 27, 2, 10, 15, 41; immediacy of, denied, 27, 2, 4; kin-aesthesia and, 27, 8, 11, 15 f., 20, 31, 42; mediate and immediate, 27, 3; passive attitude in, 27, 25 ff.; physical activity and, 27, 2; relativity of, 27, 5; respiration and, 27, 2, 15, 36, 39, 41; rhythm and, 27, 2, 4, 8 f., 18 f.; secondary character of, 27, 3; strain and relaxation and, 27, 4; strain

Time-judgment (*continued*)

- sensations and, 27, 2, 4, 42; systematic errors in, 18, 187-193; visual imagery and, 27, 9, 14 f., 19, 27, 39, 41; visual stimuli, 27, 33 ff.
Time-order, judgment for clicks and flashes, 10, 282 ff.
Time-relation, 27, 3; of mental phenomena, 3, 578; music and, 13, 28-61, 88; sensory and affective arousal of, 20, 187-93; of verse, 13, 88
Time-sense, 1, 325 f.; 3, 129 f.; 5, 245, 371; 13, 94 f.; experiment on, 3, 132 f., 211 f.; historical epitome, 27, 1 ff.; memory and, 2, 583-6; psychophysical series, 4, 213-17; *see also* Time-judgment
Time-space, 5, 99-103; 13, 170; Kant on, 23, 372 ff.; logic of, 5, 102 f.
Timidity, 9, 416; 12, 604
Toad, *see* Animals
Tobacco, muscular work and, 6, 449 f.; *see also* Drugs
Tonal:
 Attributes, brightness as, 30, 122-7, 153-8, 164; differentiating, 30, 162 f.; experimental study of, 30, 121-64; historical review of, 30, 122-7
 Brightness, pitch identified with, 30, 157 f.
 Consonance, theory, 21, 348
 Volume, 30, 122-7, 149-53, 164
Tonality, 30, 122-7, 158-62, 164; defined, 30, 158 f.; limens for pitch and, compared, 30, 161
Tone:
 Acuity tests, 15, 42-9
 Affective experiments with, 20, 159-73
 judgments of, 20, 159-73
 Analysis of, 16, 484 ff.
 Discrimination of clang and, 13, 218-68
 Final, aesthetic effects of, 14, 456
 Hearing for, 1, 740 f.
 Localization of, 22, 254 f.
 Memory for, 1, 185 f.; 11, 67-79
 Memory-image and judgment of, 13, 219
 Pure, affective coloring of, 7, 71 f.
 Psychology, basis of, 25, 452 f.
 Sensation, limits of, 2, 187, 482; 15, 46-9; recognition of, 2, 604 f., 610; Weber's Law and, 2, 513
 Suggestive characteristics of, 5, 56
 Theory, Ebbinghaus', 15, 64 ff.
 Tonic-note, 5, 50, 58
 Vocality of, 26, 453-6
See also Hearing

- Tones**, simultaneous, 4, 313-20; single and successive, 4, 309-12; stimulation of, 24, 379, 443; *see also* **Hearing**; **Tone**
- Tongue**, stimulation, electro-cutaneous, 18, 318-21; *see also* **Taste**
- Tonometer**, *see* **Apparatus**
- Tonus**:
 Muscular, 15, 531, 547-51; Brondgeest on, 15, 548 f.; Cohnstein on, 15, 550; Cyon on, 15, 549, 551; Foster on, 15, 549 f.; inhibition independent of, 15, 547 f., 550; Lombard on, 15, 548 f.; Mommsen on, 15, 550; Müller's use of term, 15, 531, 547 f.; Sherrington on, 15, 550; Tschirjew on, 15, 549, 551
- Vascular, 15, 530, 544-7; Bernard on, 15, 530, 544-7; Callenfels on, 15, 546; center for, 15, 545 f.; Legallois on, 15, 530; Nussbaum on, 15, 546; stimuli to, 15, 546 f.; Waller on, 15, 530
- Toronto University**, psychology in, 3, 285 f.
- Totem, Totemism**, *see* **Anthropology**
- Touch**, 5, 98, 106, 248; 23, 59 ff., 70
 Active, affective tone of, 7, 72-7; space perception by, 1, 319 f.
 Affection expressed by, 6, 322 f.
 After-images of, 6, 364 f.
 Attention measured in field of, 27, 443-60
 Bilateral transference of practice in, 6, 328 f.
 Chemicals affect, 1, 536
 Dermographism, 6, 367
 Education of, 6, 324 ff., 331 f.
 Elementary tactual quality, 19, 308-13
 Filled and unfilled space and, 6, 332 ff., 514 ff.
 Form-color of, 19, 315
 Illusions of, 19, 574
 Keeness, sex differences, 6, 327 f.
 Legal standing of, 6, 302 f.
 Localization a measure of sensibility, 7, 42
 Loss of practice in, 6, 330 f.
 Mechanically excited sensations, 19, 317
 Organ of reality, 4, 430-50
 Pain, internal sensations, 5, 104-7
 Pressure and, 19, 303
 Primitive and least erring sense, 6, 314 ff.
 Psychology of, 6, 313 ff.
 Sex differences, in keeness, 6, 327 f.
 Space-perception, in insane, 1, 359 f.; verbal suggestion and, 20, 447
- Touch** (*continued*)
 Spencer on, 4, 434
 Stimuli, 5, 105
 Tickle and, 19, 323-6; itch sensations and, 21, 180
 Weight-illusion and, 6, 343 ff.
See also **Cutaneous**; **Sensation**; **Sensitivity**; **Skin**
- Trade**, free trade and imperialism, 19, 285
- Traders**, Chilkat, 29, 70
- Tragic**, 6, 43
- Training**, animal, *see* **Animals**; fatigue and, 19, 387; stuttering and, *see* **Stuttering**; immunity and, 19, 387; introspection and, 23, 446 f.; memory, 21, 339, *see also* **Learning**; monastic, for youth, 6, 77 f.; process, principles of, 26, 619; *see also* **Practice**
- Traits**, bestial, in man, 19, 573; development of, 14, 360
- Tramp at home**, 3, 402; *see also* **Migration**
- Transcendental vs.** psychological methods, 12, 277
- Transcendentalism**, 19, 361, 363
 American, Constant's influence on, 29, 57; Cousin's influence on, 29, 59; English influence on, 29, 55; French origins of, 29, 50; De Gerando's influence on, 29, 59; Germany's influence on, 29, 54; Girard's position on origins of, attacked by G. Sherburn, 29, 65; De Staël's influence on, 29, 56
 Definitions, 29, 53
 Emerson's, 30, 73-82; philosophical aspects of, 30, 77-80; religious aspects of, 30, 75 ff.
 French origin, 29, 52
- Transfer**, 21, 215
 Cancellation tests and, 27, 293
 Effect on cutaneous limen, 10, 144, 146
 Of learning, 22, 75
 practice effects, 27, 293
 training, early experiments, 18, 328-31; from card-sorting to typewriter-reaction, 18, 334-40; from sound to light discrimination, 18, 331-4
- Transference**, 20, 44, 46 ff., 52, 58; in learning, 22, 175
- Translation**, sensations of, 1, 181
- Transmigration**, Vedānta system of, 24, 293
- Transmission**, velocity, 14, 594
- Traube-Hering waves**, 14, 552
 Affection indifferent, 15, 504, 511
 Bonser on, 15, 500

- Traube-Hering waves** (*continued*)
 Fatigue, 15, 502
 Feeling and, 15, 504-11; indifferent, 15, 504-11
 Fluctuation of attention and, 12, 327 ff., 340; 15, 499, 500; Pillsbury's work, 15, 501 f., 504; Slaughter's work, 15, 499 f., 502 f., 508; Taylor's work, 15, 500 f., 503 f.; *see also* Attention: Fluctuation
 Galloway's work, 15, 499-512
 Muscular contraction increases, 15, 504 f.
 Physiological theory, 15, 505-8
 Plethysmograph shows, 15, 503
 Respiration, 15, 503
 Rhythm, diurnal, 15, 508-11
 Slaughter on, 15, 499-503, 508
 Stimuli affect, 15, 499-512
 Volition, 15, 499 f., 502-8
- Traumatic insanity**, *see* Abnormal: Insanity
- Traumatism** has no effect on the sane, 5, 82; *see also* Abnormal
- Tree**, in child life, 9, 495-503; in medicine, 9, 492-5; in poetry, 9, 503-6; in religion and mythology, 9, 132; of life, 9, 481 ff.; of paradise, 9, 487-92; sacred, 9, 132; world-, 9, 484-7; worship, 9, 467-80
- Tremor**, muscular, 2, 484
- Trial and error**, learning, English sparrow, 15, 317-29, 345; method of, 20, 111, 113, 116, 332
- Tribe**, *see* Anthropology
- Triangles**, influence of suggestion in reproduction of, 19, 508-13
- Tridimensional theory of feeling**, 20, 160, 270-4
 Wundt's, 28, 134; typical experiences and, 27, 157-70
- Triton**, *see* Animals
- Trophic diseases**, nervous system and, 3, 96
- Tropism**, 2, 187 f.; plasticity *vs.*, in spiders, 17, 348-51; thermotropism of tadpoles, 10, 9f.; *see also* Geotropism
- Truth**, 22, 471; meaning of, 21, 172; pedagogical implication of, 14, 301; value *vs.*, in teaching college philosophy, 28, 504
- Tulip mania**, 18, 44 f.; *see also* Manias
- Tuning-fork**, *see* Apparatus
- Turtle**, *see* Animals
- Twilight**, fancies of, 14, 56; loved or shunned, 14, 60
- 'Twilight sleep'**, scopolamine-morphine anaesthesia, 26, 312
- Twins**, 28, 463; measurement of, 19, 142
- Two-point limen**, 4, 426; 27, 316 f.; determination of, 26, 152-7; fatigue effect on, 29, 415; mechanical *vs.* manual stimulus, 27, 417 ff.; paradoxical error and, 29, 227 ff.; perceptive forms below, 27, 569 ff.; practice effect on, 29, 413
- Tympanum**, *see* Ear
- Type**, regression to, 1, 173-9
- Types**:
 Association-reaction, 30, 300 ff.
 Ideational, *see* Ideational type
 Imaginal, *see* Ideational type
 Learners, 24, 15
 Literary *vs.* scientific, 28, 238-62
 Moral judgments, 9, 222
 Perceptive, 24, 547
 Reaction to association test, 21, 236 ff.
 Reaction-times, 8, 139
- Typewriting**, accuracy *vs.* speed, 27, 55, 70; acquisition of skill in, 20, 289; average time of strokes, 27, 53; back spacer, 27, 52 ff.; carriage return, 27, 51 ff.; errors and false strokes, 27, 55, 56 ff., 64, 69; errors due to anticipation, 27, 64; experimental study of, 27, 47-70; inhibition of similars, 27, 68; marginal release, 27, 52; non-experimental observations of, 27, 47 f.; omissions, 27, 60; paragraphing, 27, 51 f.; psychomotor mechanisms of, 27, 47-70; speed *vs.* accuracy, 27, 55, 70; steadiness of rate, 27, 53; substitutions, 27, 60 ff.; temporal block and, 27, 65; time of day, 27, 70; transpositions, 27, 60 ff.
- Typographical errors**, causes of, 22, 503 f.

U

- Ugliness**, 6, 41
- Ultraviolet light**, sensitiveness of animals to, 1, 715
- Unchastity**, as perversion, 11, 200-3; *see also* Abnormal: Sexual perversion
- Uncinariasis**, insanity and, 21, 347
- Unconscious**, 25, 554; 28, 306
 Action and origin of, 10, 497 f.
 Cerebration, questionnaire and statistics on, 5, 249-59
 Change in body produced by, 10, 496-9
 Impulses, significance for interpretation of history, 30, 358-74
 Mind, child's, 30, 324
 Mental states, Augustine on, 2, 57 f.; Locke on, 2, 70 f.

Unconscious (*continued*)

- Movement, 16, 547; 'Clever Hans,' and, 25, 13 ff.
 Music and, 22, 320
 Powers, origin of, 26, 133-41
 'Psychic process,' objections to term, 22, 170
 What is the, 30, 253-9
Unconsciousness, 22, 161; criticism of, 22, 168 ff.; epistemology and, 22, 169; metaphysics and, 22, 169; pathology and, 22, 166 ff.; reflex action and, 30, 257
Understanding, 24, 435; analysis of, 22, 236 ff.; Bacon's treatment of, 11, 58; Biblical use of term, 13, 570; concomitants of, 22, 14 ff., 19 ff., 23 ff., 42 ff.; Leibnitz on, 8, 423; meaning and, 22, 553 ff.; of sentences, 22, 569 ff.
Unemployment, study of, 27, 153; *see also* Social: Psychology
Unidextrality, mirror-reading and, 29, 236
Unification, psychic factor of, 30, 262
Unit sensation, equal difference of, 20, 3-6; hyther, 20, 3; just noticeable difference of, 20, 4, 91
Unit-making, association-factor, 29, 296; color-factor, 29, 298; direction-factor, 29, 305; form-factor, 29, 297; position-factor, 29, 294; size-factor, 29, 308
Unity, aesthetic, apperception of a manifold as a unit, 29, 291
Universal, the consciousness of, 24, 276; law, origin of, 16, 136
Universe, Kant on, 23, 382 ff.; opposites of, 8, 579; pluralistic, 21, 172
Uganda protectorate, 14, 119
Unknown proper names, psychological response to, 28, 436
Unpleasant memories by sex and race, 10, 243 ff.
Unpleasantness, 20, 148; 157-93, 269-73 f., 532 f.; aesthetics and, 6, 484 f.; attention and, 6, 627; definition of, 6, 627; desire and, 6, 626 f.; emotion and, 6, 628; feeling-dimension, 17, 367, 373, 376, 379, 382-5, 388 ff., 557 f.; nature of, 6, 625 f.; nervous correlate of, 20, 148; sensory pain and, 6, 20 f.; *see also* Affection; Affective; Feeling; Pleasantness
Unstable temperament, 19, 530
Utilitarian criterion of moral judgments, 9, 199 f., 221-31
Utilitarianism, English history of, 13, 453
Uvula, muscles of, 2, 672

V

- Vagrancy**, as retrogression, 11, 192-5
Vagus nerve:
 Central ending, 2, 149
 Function of, Gaskell on, 15, 533; history of beliefs, 15, 532 f.; Moleschott on, 15, 532; Pfüger on, 15, 532; Schiff on, 15, 532; Stewart on, 15, 532; Weber on, 15, 532
 Histology of, 2, 635
 Inhibitory influence of, 14, 614
 Morphology of, 2, 309 f.
Value vs. truth as criterion in teaching philosophy in college, 28, 504
Values, eternal, 20, 583
Vampire, *see* Anthropology
Variability, correlation and, in learning, 29, 316; improvability and, 27, 239 ff.; in insane, not distinctive, 17, 68; measures of, 27, 234-44; of behavior, criterion of consciousness, 25, 496; of response to repeated presentation of same stimulus, 27, 234
Variable error, 5, 287, 296
 Qualities, measurement of, 19, 147
Variation in achievement of pupils, 26, 471; in animals and plants, 14, 261; in physical growth of children, factors of, 9, 272-86
Variator, *see* Apparatus
Vascular tonus, *see* Tonus
Vaso-motor nerves, central course of, 1, 697; waves, 13, 1-27; *see also* Pulse
Vedānta, system of the, 24, 293
Venereal disease, 21, 508
Ventilation, mental work and, 28, 161
Verbal ability of poor spellers, further tests, 29, 331; imagery, in recall of pictures, 18, 402 ff., 417 f.; perception and visual memory, in poor spellers, 28, 157; stimuli *vs.* visual stimuli in arousal of imagery, 27, 94, 101
Verbigeration, 3, 137
Vertebrates, *see* Animals
Vertical point distances, reproduction under suggestion, 19, 513-17
Vertigo, nature of, 25, 339; *see also* Ear: Semi-circular canals
Vestigial structures, examples, 10, 172-6; past aquatic life shown by, 10, 172-6; significance of, 25, 164
Vibrations, Hartley on, 2, 82 f.
Vicarious function, Goltz on, 15, 532
Vice, insanity and, 11, 597
Violet-vision, *see* Erythroptia
Virgin birth, of Christ, 15, 114 f.

Visceral disease, pain in, 6, 292 f.

Sensation, *see* Organic; *see also* Sensation

Vision, 2, 154-60, 185 ff., 326-31, 477-80, 636-44; 5, 9, 13-15; 23, 63, 70
Accommodation and convergence, 7, 430

Adaptation *vs.* fluctuation of attention, 17, 83-119

Acuteness of, 4, 484

Affective tone of, 7, 62-71; of colors, 7, 58

values of colors, 25, 448 f.

Attention-analogy, 20, 476

Attention-fluctuation in, 17, 82-119

Binocular, 2, 657; 4, 470 ff.; 6, 575 ff.; depth-perception, lag in, 30, 41 ff.; ideality of, 14, 315; nativity, 14, 315; phantom images in, 2, 331; problem of knowledge and, 14, 306; time-relations in, 19, 130-7; monocular *vs.*, 7, 9; *see also* Depth-perception; Vision: Monocular

Brightness-values, 7, 440

Campimeter, *see* Apparatus

Child's, development of, 20, 143 f.

Class experiments in, 14, 441-9

Color-blind, demonstration, 25, 299

Color-saturation, 7, 386

Color-tests, Holmgren worsteds, 25, 297; *see also* Apparatus

Color-theory, Müller on, 15, 447

Cortical center of, 6, 295

localization of, 1, 171, 494, 693

Darkened field of, 19, 500-3

Depth-perception, organic and natural, 14, 312

Discriminable qualities of, 7, 149 f.

Experiments in, 4, 474-90; 5, 390-415

'Facial,' 5, 344-50; 15, 383-90

Fatigue and, 6, 296

Field of, extent of inner, 13, 535 ff.;

Listing's law, 6, 613 ff.; model of, 7, 578 ff.

Health and, 17, 142

Hering grey papers and, 25, 297

Hysteria and, 6, 295

Illumination effect, 19, 536-40

In fishes, 12, 360; man, 4, 503-13;

rat, rôle of, in maze experiments, 12, 233-7; spiders, 17, 310 ff., 339 ff., 353

Indirect, 14, 449; 17, 430 ff.; bright-

ness in, 2, 477 f.; intermittent

stimulation in, 2, 479 f.; quality

fluctuations in, 17, 90, 117 ff.;

movement and, 6, 312; *see also*

Campimetry

Vision (*continued*)

Light intensity and depth perception, 7, 518; sensitivity of skin in blind protean, 3, 211

Minimal sensations, intermittence of, 19, 58-129

Monocular, 6, 593 ff.; field of, 5, 99; in rabbits, 1, 314; space perception and, 7, 412; *vs.* binocular, 7, 9; *see also* Vision: Binocular

Mosaic arrangement of retinal cones, 4, 483 f.

Nervous disorders and, 6, 475

Ophthalmic myology, 13, 324

Paracentral color vision, in child, 6, 494 ff.; sex differences in, 6, 501; training in color discrimination and, 6, 501 ff.

Peripheral, illumination effect on, 23, 533 f.

Psychophysics of, 1, 310

Sensations variable in three dimensions, 7, 386-404

Smell and, 1, 358

Streaming phenomenon, 19, 484-503; *see also* Streaming phenomenon

Subjective horizon, 13, 477

Surface color and magnitude, 7, 26

Theories of, 19, 60 f.; von Kries, 1, 311; Ladd-Franklin, 6, 298; polar-

ization of light and, 2, 155 f.;

Young-Helmholtz, 5, 33, 35, 390

See also Adaptation; Color; Fechner's colors; Gray; Hemianopsia; Sensation; Sensitivity; Visual

Visitors, Chilkat, 29, 70

Visual:

Acuity, spectral regions and, 3, 381 f.

Adaptation, 2, 155

Apparatus, electrical stimulation of, 4, 485 f.; visual effects of, 17, 95 f.

Area, eye-movement and, 3, 373; of human cortex, 4, 503-13

Associations influence on tactual space perception, 7, 286

Cones, in fovea, 4, 483 f.

Contrast, *see* Contrast

Cortex, 2, 191; histology and pathology of, 2, 623-6; in mammals, 2, 627 ff.

Discrimination, age and, 15, 235; grays, 15, 232 f.

Effects of electrical stimulation, 17, 95 f.

Factors in perception, 28, 476

Field, extent in reading, 11, 296-302; inner, schematism and extent, 13, 535 ff.; in psychopathology, 4, 473

Fixation, 19, 272

Ghosts, 28, 349

Visual (*continued*)

- Imagination, 5, 453
 Image, *see* Image
 Imagery, *see* Imagery
 Memory, in mathematical prodigies, 28, 74, 81, 85, 119-29; training of, 8, 414-7; verbal perception and, in poor spellers, 28, 157
 after-image, control of visual imagery and, 25, 293 ff.
 image, *see* Memory
 Obliteration, Thayer tiger model, 25, 295
 Organ, of Laura Bridgman, 4, 280-3
 Perception, analytical study of, 28, 519; attention and, 7, 227
 Process, streaming phenomenon effect on, 19, 485
 Purple, 2, 512
 Quality, clearness and, 26, 449-53
 Reaction, *see* Reaction; Reaction-time
 Reading, mental imagery in, 11, 225-36; pure, 11, 225, 231-6
 Sensation, *see* Brightness; Color; Color-blindness; Contrast; Entopic vision; Flicker; Retina; Sensation; Sensitivity; Vision
 Sense training, value for children, 28, 311
 Space, dominance of, 3, 54; hand space and, 13, 477; memory for, 11, 125-8; *vs.* kinaesthetic, 13, 477
 Stimuli, as distractor, 20, 512, 516 f.; expectation of, 20, 535; fluctuations of, 24, 378; verbal stimuli *vs.* in the arousal of imagery, 27, 94, 101
 Stimulus, 5, 11, 15, 17
 Theories, fatigue, 19, 62, 66, 76; oscillatory theory, 19, 61, 66, 76, 78-106
 Translation, in cutaneous judgments, of form, 10, 143
 Word-sign, memory-aid, 20, 343-9, 351
 Visualization, fixed, new forms of, 13, 355-63; Galton and Huxley on, 4, 243 f.; in blind, 28, 229 f., 235; movement and, 24, 214; source of psychology of Berkeley, Hobbes, Hume, and Locke, 4, 230-47; thought and, in English philosophers, 4, 230-47
 Vital function, testing methods, 27, 441; 29, 352; principle, fear and, 25, 152
 Vitalism, behavior-study and, 21, 359-65; biological observations do not prove, 21, 359-65; psychology of, 30,

Vitalism (*continued*)

- 406-14; tendency deep-seated toward, 30, 406 f., 411
 Vividness, 5, 331, 338 f.; dreams, 5, 315 f.; of ideas, 2, 237; *see also* Clearness
 Vivisection, 14, 258
 Vocabulary, child's early, 6, 120 ff.; color, of poets, 10, 156, 320; psychophysical, German-English, 7, 78-85; 8, 584; *see also* Words
 Vocality, 26, 453-6; 30, 122-164; introspections on, 30, 139 ff.; not an auditory attribute, 30, 143
 Vocalization, stuttering and, 25, 217 f.
 Vocal music among Indians, 7, 135; organs, 5, 138; utterance, 5, 68, 232
 Vocational guidance, 27, 80
 Voice, 5, 21, 24, 26, 67
 Volition, 5, 264, 466; 13, 587; 19, 144, 268; action and, 5, 272-7; experimental study of, Ach's second, 26, 511-16; in dreams, 5, 327; *see also* Will
 Volume, of blood in feeling, *see* Apparatus; Plethysmograph; tonal, 30, 122-7, 149-53, 164
 Voluntarily fatigued muscle, 5, 277
 Voluntary:
 Act, effect on knee-jerk, 1, 50 f.; Münsterberg on, 1, 534 f.
 Attention, 5, 276; *see also* Attention
 Choice, Michotte and Prüm on, 26, 508-11; *see also* Choice
 Contraction, 5, 277
 Control, 5, 199, 201; of heart, 2, 651
 Movement, 4, 514-27; 5, 273, 276; 21, 513-62; experiments on, 1899-1908, 21, 416 f., 515-22; of right arm, 16, 357 ff.; precision of, 5, 196; speed of, 2, 647 f.; theories of, 21, 513-25, 554-62; *see also* Movement
 Muscle, 5, 272, 277; rhythm in, 5, 138
 Reaction, 5, 424; *see also* Reaction
 Recall, 25, 79
See also Involuntary; Movement; Will
 Vortex philosophy, 20, 150
Vorticella gracilis, *see* Animals
 Vowel qualities, preliminary study of, 26, 453-6; sounds, 30, 123 ff., 131-43
 Vowels, 5, 110; synaesthesia of, 5, 21-34; *see also* Synaesthesia
- W
- Walking, average age of, 12, 55
 Consciousness of, 12, 41 ff.
 Creeping after, 12, 47-54; creeping and, 12, 1-57

Walking (*continued*)

- Diseases affect, 12, 52 ff.
- Idiots and imbeciles, 12, 54 f.
- Movements not learned, 12, 41 f.
- Standing and, consciousness, 12, 41 ff.
- mental effects, 12, 45 f.
- physical effects, 12, 44 f.
- Teaching of, undesirable, 12, 46 f.

Wall-charts, *see* Apparatus**Walrus**, *see* Animals**Wanderlust**, origin and growth of, 10, 45 ff., 52-5; *see also* Migratory**War**, 28, 159, 161, 309, 315, 318; effects on Parisians, 29, 453; evolution and, 27, 577; French thought on the eve of the, 27, 297-314; peace and, herd's instincts in, 27, 578; psychical phenomena of, 29, 351; psychology and, 30, 211-223; psychoses, 1, 187 f.; 29, 126; shock, psycho-neuroses and treatment, 29, 127; substitute for, 30, 222 f.; United States in the, 27, 441; *see also* Soldier**Ward, James**, bibliography of, 23, 457 f.**Warming-up**, inter-serial and intra-serial, 20, 44-46, 453-63; practice and, 19, 457-61, 464; tapping-test and 24, 74; *see also* Reversal**Warmth** from the stomach, 26, 489-94; localization of pure, 26, 142-50; *see also* Cutaneous: Sensation**Warning colors**, theories criticised, 21, 500**Wasp**, *see* Animals**Water:**

- Animate, 10, 205, 208
- Child's animistic conception of, 10, 219-22
- love for, pedagogic value, 10, 226 f.
- Deities, 10, 203 ff.
- Divine potency in, 10, 200 f.
- Effects of, 10, 217 f.
- Fears of, 8, 166-71
- Feelings toward, earliest, 10, 222
- In ceremonials over dead, 10, 187
- cosmology, 10, 191-5
- Place in mental life explained, 10, 169 f.
- Purification by, 10, 209 f.; *see also* Lustration
- Relation to paradise, 10, 205 f.
- Sacred, healing properties, 10, 197 ff.; phylogenetic importance, 10, 195-8; preservative properties of, 10, 197 ff.; source of its power, 10, 196
- Source of life, 10, 186 f.
- Symbol of life and spirit, 10, 188
- Taboo overcome by, 10, 211 f.

Water (*continued*)

Theme in literature, 10, 213-16

Wave, hydraulic, 14, 611; transmission-velocity through rubber tubes, 14, 597; *see also* Nerve; Traube-Hering**Waves**, effects of watching, 10, 218**Weather:**

- Business and, 6, 279
- Dull, effect on adults, 14, 79; on school-child, 14, 80
- Effect on knee-jerk, 1, 61-7; on mind, 23, 469 ff.; on religious emotion, 13, 74
- Mental activity and, 6, 252 ff., 267; health and, 6, 278
- Religion and, 6, 277 f.

Weber-Fechner law, *see* Weber's law; Fechner's law**Weber's illusion**, 29, 81-119; equivalence ratios as measures of, 29, 115; influence of various conditions on, 29, 93-106; nature of, over different parts of body, 29, 84-9; psychology of, 29, 117; racial differences, 29, 106**Weber's law**, 20, 4

Amblyopia and, 2, 158 f.

Apparatus for, 5, 370-84; *see also* Apparatus

Brightness, 1, 310, 527 f.; 2, 330 f.

Constant errors and, 5, 289 f.

Demonstrated by lifted-weights, 5, 245

Failure of, in arm movements, 5, 101; in movement, 5, 549 f.

Function of, 1, 296-9

Lifted-weights and, 24, 81; 28, 585

Mathematics of, 12, 134-9

Merkel on, 2, 332 ff.

Mixed sensations, 10, 92

Neuro-physic law and, 1, 184

Odors, constant of, 10, 92 f.

Pitch and, 1, 528 f.

Pressure and, 3, 54 ff.

Reduced to muscle sense, 3, 209 f.

Sanford's lifted-weight experiments and, 28, 585

Smell and, 10, 82-142

Sorting sticks for length, 3, 45 f.

Star-magnitudes and, 1, 112-27; 3, 44

Surface magnitudes and, 8, 494-505

Taste and, 10, 84

Temperature and, 10, 83 f.

Time estimation and, 13, 23 f., 26

Time-sense, 1, 326

Tones and, 2, 513; 10, 83 f.; volume-limens and, 30, 153

Visual sensation and, 11, 530-33

See also Fechner's law

Weber's limen, 21, 512**Weights**, *see* Apparatus; Lifted-weights

- Welby prize, advertisement of, 8, 314
 Wellesley College, experimental psychology at, 5, 260-71
 White-rat, *see* Animals
 Whistles, *see* Apparatus
 Whole-part theory, of cortical training, 27, 84
 Wickedness, *see* Crime
 Wife, advice to, 3, 260; -capture, an impulse to action, 10, 53 f.
 Will, 13, 532; 19, 144, 268; 23, 479 f.
 Bacon's treatment of, 11, 58 f.
 Biblical, 13, 570
 Doctrine of, 3, 134; Christian, 7, 364-70; Hobbes', 11, 55
 Doubt and, 21, 170
 Education of, 10, 155; 21, 170; 26, 466 f.
 Essence of mind, 18, 514 f.
 Freedom of, 5, 278; 6, 622 f.; 8, 433; 10, 602; 22, 521 f.; 24, 293, 448
 in German philosophy, 13, 456
 pragmatic substitute for, 19, 404
 theories of, 7, 445
 Kant on, 23, 387 ff.
 Kinaesthesia and the intelligent, 24, 204
 Loss of, 10, 324; *see also* Abnormal:
 Abulia
 Motor-ability and, 5, 136 f.
 Power, 1, 733
 Primitive, 14, 402
 Psychologic analysis of, 21, 344
 Source of, theoretical, 5, 132 f.
 Theories of, 10, 319; Lipps' 20, 150
 See also Action; Voluntary; Movement
 Wind, fear of, 8, 171 ff.
 Wind-force, scale of, 20, 5
 Wink reflex, 8, 532; 26, 428-37
 Control of, 11, 244-50; 14, 230-50;
 alcohol and, 11, 246; learning, 11, 246-50
 In man and rabbit, 1, 314
 Origin and control of, 14, 230-50
 Refractory phase of, 24, 1
 Wisconsin University, psychology at, 3, 43 f., 275
 Wish-fulfillment and symbolism, 19, 432; folktales, 21, 168; in dreams, 21, 202 f., 312-23
 Wit, 9, 27 f.
 Theory of, 9, 27 f.; Freud's, 21, 198, 320
 Unconscious and, 28, 306; *see also* Humor
 Witch, mental condition of, 18, 40 f.
 Witchcraft, history of, 18, 37-41
 Woman:
 Abnormal, 7, 293
 Woman (*continued*)
 Criminal, 28, 310
 Emancipation of, 6, 648
 Genius of, 6, 646; French, 29, 451
 Mentality of, 6, 646
 Position, among Chilkat, 29, 78
 legal, 23, 592
 Psychology of, 9, 247
 Sexual function, effect of imperfect hygiene of, 3, 258 f.
 life of, 13, 172; 21, 508
 Suicides, methods of, 10, 185
 Woodpecker, *see* Animals
 Word association method, *see* Association method; perception in reading, 11, 296-302
 Words:
 Association and, 4, 460
 Dream elements, 5, 322
 For fear, 10, 302-5; love, 1, 186; soul, 15, 127 ff.; taste, 14, 410-17
 Loss of meaning of, with long fixation, 18, 182-6; with repetition, 30, 415-18
 Work:
 Alternation of play and, 14, 375
 Capacity for, 19, 392
 Curve of, 20, 38-59; 27, 550-65
 initial spurt and, 27, 556, 565
 in learning a clerical task, 27, 550 ff.
 manic-depressive insanity and, 20, 46
 measure of retardation, 20, 51
 practice and, 24, 35
 reversal in, 20, 44
 sex differences, 20, 354;
 test, by addition, 20, 39; by ergograph, 20, 39; by tapping, 20, 39; *see also* Tests
 transference in, 20, 44
 warming-up effect in, 20, 44
 Degrees of clearness and quality of, 24, 505; 27, 447, 456, 459 f.
 Digestion and, 13, 172
 Fatigue and, 19, 386, 391 f., 394, 396
 Mental, 24, 270; effect on knee-jerk, 1, 54 ff.
 Neuro-muscular, analysis of needed, 14, 540
 Night, 19, 31 f.
 Physiology of, 27, 579
 What men live by, 26, 158
 World's Fair, psychological section at Chicago, 5, 114
 World, modern view of, 8, 579
 Wormian bone, *see* Skull
 Writing, 23, 157, 162, 475
 Automatic, 26, 161-95; normal and, rate of, 26, 166-88

Writing (*continued*)

- Learned by primitive peoples, 17, 69-79
- Left-handed, 22, 189 ff.
- Mirror, 1, 541
- Movement, 5, 184, 196
- Normal speed in, 26, 166 ff.; 28, 400
- Reading and, normal speed in, 28, 397; simultaneous retention of skill in after lapse of practice, 28, 396
- Symbolistic, with senile delusions: 16, 519 ff.
- Types of, 1, 194
- Typewriting, *see* Typewriting
- See also* Handwriting; Language
- Wundt, Wm., bibliography of, 19, 541-56; 20, 570 f.; 21, 603 f.; 22, 586 f.; 23, 532; 24, 586; 25, 599
- Festschrift, 13, 456, 575

Wundt Wm. (*continued*)

- Philosophy and psychology, 13, 451

Y

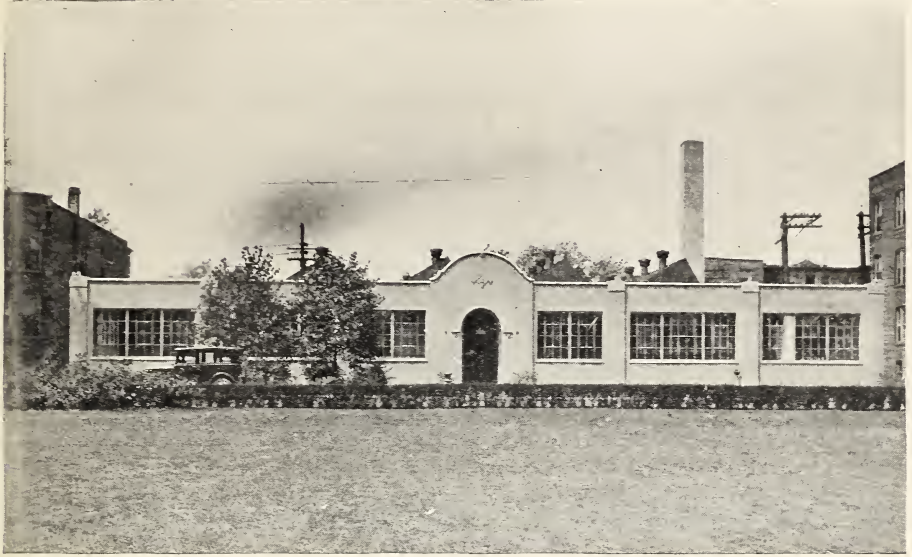
- Yale University, psychology at, 3, 279 f.; studies, 13, 582
- Yellow spot, eye, *see* Macula lutea
- Yerkes point scale, 27, 82, 284; 28, 311
- Yoga-system of concentration, 27, 290
- Young men, physician's sermon to, 3, 260 f.
- Youth, psychoanalysis and study of children and, 26, 130-41

Z

- Zöllner's and other related illusions, 4, 381-91 11, 240-3
- Zoölogy, foundations of, 10, 320; garden, opportunities for research in, 12, 264
- Zoötrope, *see* Apparatus

Established 1886

Incorporated 1903



Dedicated to

PSYCHOLOGY and PHYSIOLOGY

Forty years devoted to meeting the varied and exacting requirements of the workers in the many different fields of science enabled us to acquire the equipment, knowledge, and technical skill which are placed at the disposal of the psychologists. Scientific craftsmanship and intelligent service are the factors that have won us the leadership in the two closely related lines in which we are now specializing.

Leadership imposes responsibilities, and these we meet by maintaining close co-operation with the psychologists and physiologists, a watchful eye on developments in the sciences, and a critical inspection by an officer of the corporation of every piece of equipment that leaves the establishment.

Manufacturing, publishing, and purchasing records show that we offer over 2200 items for psychological and physiological work. Virtually all but the items for special research listed in the apparatus section of the *INDEX* (pp. 77-79) are carried in stock, or can be made up on comparatively short notice. Estimates on special apparatus are gladly given, and we are always glad to hear from those who have something new, or have modifications of existing types of apparatus and tests which they think will be welcomed by those engaged in teaching, research, and clinical work.

C. H. STOELTING CO.

Manufacturers—Publishers—Importers—Exporters

Psychological and Physiological Apparatus and Supplies

424 No. Homan Ave.

CHICAGO, ILL.

COMPLETE YOUR FILES
OF
**THE AMERICAN JOURNAL OF
PSYCHOLOGY**

so that all the references given in this INDEX may be readily available

Volume	Year	Price per number				Price per volume	
		1	2	3	4		
I	1887-88	\$2.00	\$2.00	\$2.00	\$5.00	\$10.00	
II	1888-89	2.00	2.00	2.00	5.00	10.00	
III	1890-91	(4.00)	4.00	4.00	4.00	15.00	
IV	1891-92	4.00	4.00	4.00	4.00	15.00	
V	1892-93	3.00	3.00	3.00	3.00	10.00	
VI	1893-95	2.00	2.00	2.00	2.00	7.50	
VII	1895-96	1.75	1.75	1.75	1.75	6.50	
VIII	1896-97	1.75	1.75	1.75	1.75	6.50	
IX	1897-98	1.75	1.75	1.75	1.75	6.50	
X	1898-99	1.75	1.75	1.75	1.75	6.50	
XI	1899-00	1.75	1.75	1.75	1.75	6.50	
XII	1900-01	1.75	1.75	1.75	1.75	6.50	
XIII	1902	1.75	1.75	1.75	1.75	6.50	
XIV	1903	1.75	1.75	1.75	1.75	6.50	
XV	1904	1.75	1.75	1.75	1.75	6.50	
XVI	1905	1.75	1.75	1.75	1.75	6.50	
XVII	1906	1.75	1.75	1.75	1.75	6.50	
XVIII	1907	1.75	1.75	1.75	1.75	6.50	
XIX	1908	1.75	1.75	1.75	1.75	6.50	
XX	1909	1.75	1.75	1.75	1.75	6.50	
XXI	1910	2.00	(2.00)	1.75	1.75	6.50	
XXII	1911	1.75	1.75	1.75	1.75	6.50	
XXIII	1912	(2.00)	1.75	(2.00)	(2.00)	6.50	
XXIV	1913	1.75	(2.00)	1.75	(2.00)	6.50	
XXV	1914	(2.00)	1.75	1.75	2.00	6.50	
XXVI	1915	1.75	1.75	1.75	1.75	6.50	
XXVII	1916	(2.00)	1.75	1.75	1.75	6.50	
XXVIII	1917	(2.00)	(2.00)	2.00	(2.00)	7.00	
XXIX	1918	(2.00)	(2.00)	2.00	2.00	7.00	
XXX	1919	(2.00)	(2.00)	(2.00)	(2.00)	7.00	
XXXI	1920	(2.00)	(2.00)	(2.00)	(2.00)	7.00	
XXXII	1921	(2.00)	(2.00)	(2.00)	(2.00)	7.00	
XXXIII	1922	1.75	1.75	1.75	1.75	6.50	
XXXIV	1923	1.75	1.75	1.75	1.75	6.50	
XXXV	1924	1.75	1.75	1.75	1.75	6.50	
XXXVI	1925	1.75	1.75	1.75	1.75	6.50	
XXXVII	1926	1.75	1.75	1.75	1.75	6.50	

Complete sets, a few of which may still be obtained \$256.00

The parentheses designate reprinted numbers. The reprinting is done by the anastatic process, consequently the reproduction is made with photographic accuracy

Directory of American Psychological Periodicals

- American Journal of Psychology**—Ithaca, N. Y.: Cornell University.
Subscription \$6.50. 624 pages annually. Edited by M. F. Washburn, K. M. Dallenbach, Madison Bentley and E. G. Boring. Quarterly. General and experimental psychology. Founded 1887.
- Pedagogical Seminary and Journal of Genetic Psychology**—Worcester, Mass.: Clark University. Subscription \$7.00. 700 pages annually. Edited by Carl Murchison and an international coöperating board. Quarterly. Child behavior, differential and genetic psychology. Founded 1891.
- Psychological Review**—Princeton, N. J.: Psychological Review Company.
Subscription \$5.00. 480 pages annually. Edited by Howard C. Warren, and John B. Watson. Bi-monthly. General. Founded 1894.
- Psychological Bulletin**—Princeton, N. J.: Psychological Review Company.
Subscription \$5.50. 720 pages annually. Edited by Samuel W. Fernberger. Monthly. Psychological literature. Founded 1904.
- Psychological Monographs**—Princeton, N. J.: Psychological Review Company.
Subscription \$6.00 per vol. 500 pp. Edited by Shepherd I. Franz.
Published without fixed dates, each issue one or more researches. Founded 1895.
- Psychological Index**—Princeton, N. J.: Psychological Review Company.
Subscription \$2.00. 200 pp. Edited by W. S. Hunter.
An annual bibliography of psychological literature. Founded 1895.
- Journal of Philosophy**—New York. 515 W. 116 Street.
Subscription \$4. 728 pages per volume. Edited by F. J. E. Woodbridge, Wendell T. Bush, and H. W. Schneider. Bi-weekly. Founded 1904.
- Archives of Psychology**—Sub-station 84, N. Y.: Archives of Psychology.
Subscription \$5. 500 pp. ann. Edited by R. S. Woodworth.
Published without fixed dates, each number a single experimental study. Founded 1906.
- Journal of Abnormal Psychology and Social Psychology**—Albany, N. Y.:
Boyd Printing and Publishing Co. Subscription \$5. 432 pages annually.
Edited by Morton Prince in co-operation with H. T. Moore. Quarterly.
Abnormal and social. Founded 1906.
- Psychological Clinic**—Philadelphia: Psychological Clinic Press.
Subscription \$2.50. 288 pages ann. Ed. by Lightner Witmer.
Without fixed dates (9 numbers). Orthogenics, psychology, hygiene. Founded 1907.
- Training School Bulletin**—Vineland, N. J.: Training School.
Subscription \$1. 160 pp. ann. Edited by E. R. Johnstone.
Monthly (10 numbers). Psychology and training of defectives. Founded 1904.
- Comparative Psychology Monographs**—Baltimore: Williams & Wilkins Co.
Subscription \$5. 500 pages per volume. Edited by W. S. Hunter.
Published without fixed dates, each number a single research.
- Psychoanalytic Review**—Washington, D. C.: 3617 10th St., W.
Subscription \$6. 500 pages annually. Edited by W. A. White and S. E. Jelliffe. Quarterly. Psychoanalysis. Founded 1913.
- Journal of Experimental Psychology**—Princeton, N. J.: Psychological Review Company. Subscription \$5.00. 480 pages annually. Edited by Madison Bentley. Bi-monthly. Experimental. Founded 1916.
- Journal of Applied Psychology**—Bloomington, Ind.: Indiana University Press.
Subscription \$5. 400 pages annually. Edited by James P. Porter and William F. Book. Quarterly. Founded 1917.
- Journal of Comparative Psychology**—Baltimore: Williams & Wilkins Co.
Subscription \$5. 500 pages (approximately) per volume. Edited by Knight Dunlap and Robert M. Yerkes. Bi-monthly. Founded 1921.
- Genetic Psychology Monographs**—Worcester, Mass.: Clark University. Subscription \$7. 600 pages annually. Edited by Carl Murchison. Bi-monthly, each number a single research. Founded 1925.





NATIONAL LIBRARY OF EDUCATION



3 6533 00286045